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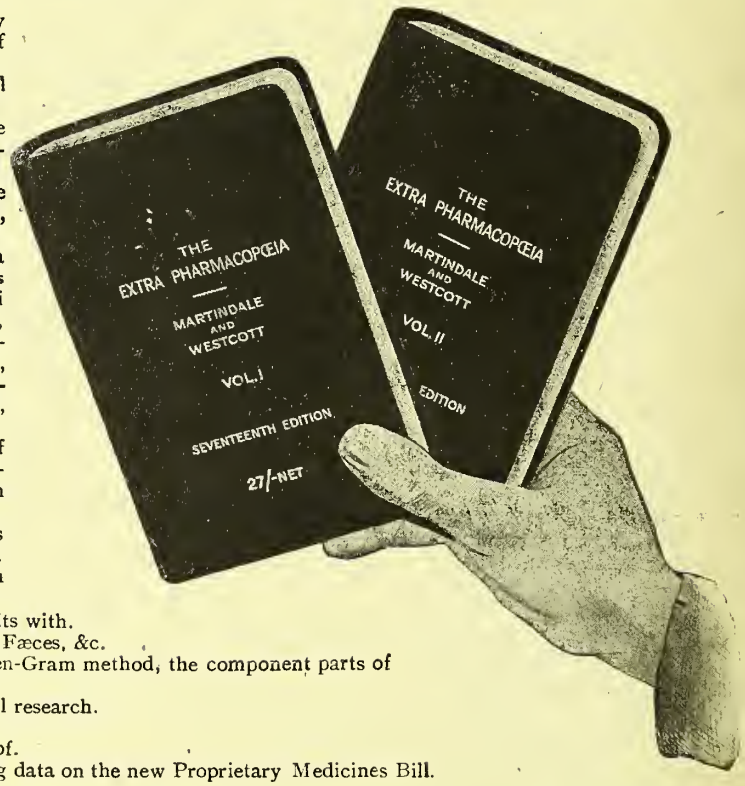

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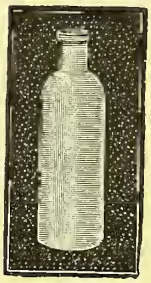

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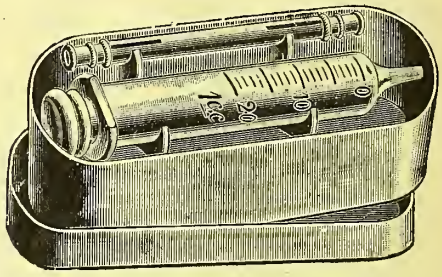

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LIMITED

37 Gray's Inn Road, LONDON, W.C.

Toilet Specialities.

	Price per doz. to Retailer.	Selling Price P.A.T.A.
PILENTA SOAP - A complexion soap.	10/-	1/-
PROLACTUM - - For the lips.	10/-	1/-
PARSIDIUM JELLY For wrinkles.	10/-	1/-
ALLACITE of ORANGE BLOSSOM A dressing cream.	22/6	2/6
BORANIUM - - A hair tonic.	22/6	2/6
CLEMINITE - - For a face lotion.	22/6	2/6
COLLIANDUM - - For a face tint.	22/6	2/6
PERGOL - - - A deodorant.	22/6	2/6
STALLAX - - - For a shampoo.	22/6	2/6
JETTALINE - - For clearing the skin.	31/6	3/6
PHEMINOL - - A depilatory.	36/-	4/-
MENNALINE - - For the eyelashes.	36/-	4/-
MERCOLIZED WAX A face cream.	31/6	3/6
STYMOL - - - For oily complexions and blackheads.	36/-	4/-
BARSYDE - - Dandruff eradicator.	22/6	2/6
TAMMALITE - - For grey or faded hair.	22/6	2/6
LIQUID PERGOL - To check excessive perspiration locally.	31/6	3/6
BICROLIUM - - For whitening the hands.	22/6	2/6
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Manicure Preparations

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1.	"Cutex" the Ideal Cuticle Remover, Small	18/-	2/-
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4.	,, Nail White ...	18/-	2/-
5.	,, ,, Polish Cake, White	18/-	2/-
6.	,, ,, ,, Pink	18/-	2/-
7.	,, ,, Trial Size	5/6	7½d.
22.	,, Nail Polish Stick, in metal tube	13/6	1/6
8.	,, ,, Powder	13/6	1/6
9.	,, Polishing Paste, Pink	18/-	2/-
10.	,, ,, ,, Plain	18/-	2/-
11.	,, Liquid Nail Enamel	22/6	2/6
13.	,, Cuticle Comfort ...	18/-	2/-
14.	,, Nail Bleach Powder	18/-	2/-
15.	,, ,, Rouge ...	18/-	2/-
16.	,, Compact Manicure Set	27/-	3/-
17.	,, Travelling ,, ,,	84/-	9/6
18.	,, Boudoir ,, ,,	168/-	19/-
31.	,, Cold Cream ...	18/-	2/-

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where a large range of samples may be seen.

Maw's Page

May 14, 1921 No. 500

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No. 978. SPONGE BAGS—	Sizes	1	2	3	4	5	6
Check sheeting, good quality -	per doz.	6/-	7/6	9/-	11/-	13/6	16/-
,, super best -	,,	8/-	9/6	11/-	13/-	15/6	18/6
The "Climax," proofed both sides	,,	10/6	12/6	14/6	17/-	21/-	25/-
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No. 976. BATHING CAP, circular shape, check sheeting, bound, per doz. Sizes 1 2 3 4 — 7/6, 8/6, 11/-, 13/-

Per doz.

,, 428 ,, helmet shape, red rubber, lined band, 6 sizes - 21/-
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,, 1614 ,, red rubber, with chin strap for water polo, 3 sizes, 42/-
,, SPECIAL LINE, finest para rubber, assorted colours and shapes, decorated with rosettes, frills, bows, etc. - - - - - - 22/-

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A discount of 5 % for prompt cash is allowed on all amounts of 10/- and upwards. Money returned if goods are not satisfactory. Now ready, our latest illustrated PRICE LIST, post free for the asking.

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TO WHICH ADDRESS ALL FUTURE ENQUIRIES SHOULD BE SENT.

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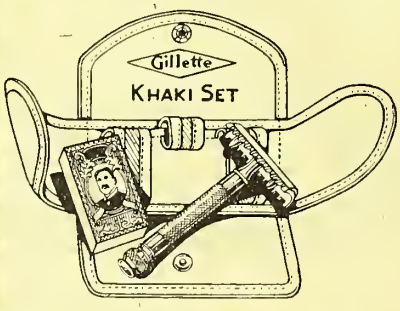
FOR COLOURING GREY HAIR

This popular article is largely advertised and stocked by all Wholesale Houses. Trial Size 8d., per post 10½d. 1/4 size, per post 1/7; 2/6 size, per post 2/9; 3/9 size, per post 4/8; 8d. size 6/- doz.; 1/4 size 12/- doz.; 2/6 size 24/- doz.; 3/9 size, 36/- doz.

THE SHADEINE CO., 58 WESTBOURNE GROVE, LONDON, W.



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Every set is in brand new condition as sent out by the manufacturer. and contains six genuine Gillette Blades.
Each set bears the Gillette trade mark.
Supplied to retailers in:—
Boxes of 10 ... ... at 7/6 each
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CREAMS

A Revolution in Medicated Lozenges.

Raspberry Sulphur Creams.
Sulphur Figs.

ONLY SHOW THEM—
THEY SELL THEMSELVES

1/11 per lb. 28 lb. 1/8. 56 lb. 1/7. 112 lb. 1/6.

SARSAPARILLA BLOOD JUBES.

THE HEALTH PRESERVER.

Prepared from the finest Compound Extract of Sarsaparilla.

4-lb. tins **1/11**. 16-lb. **1/9**. 28-lb. **1/8**. 56-lb. **1/7** 1 cwt. **1/6**

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"BORALIA"

COCONUT OIL SHAMPOO

COCONUT OIL BRILLIANTINE

Beautiful showcards with all orders.

"BORALIA"

DENTAL CREAM

TOOTH POWDER

Produced in a style that will sell.

BORALIA COCONUT OIL SHAMPOO

2-oz. bottles, **8/-** dozen. 4-oz. bottles, **12/-** dozen.

Special prices for quantity. 500 handbills with customer's name and address, with orders for 6 dozen assorted sizes.

POTTER & CLARKE, Ltd.

60, 62, 64 ARTILLERY LANE, LONDON, E. 1.

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The ordinary business man knew perfectly well that reaction from the unhealthy commercial conditions immediately following the Armistice was inevitable. Now that reaction has come, the real man of grit does not sit down and wait for things to happen.

He gets up and looks around for new markets, lays careful plans of campaign and starts fresh schemes. He takes no chances. There is business—plenty of it for the next ten years at least—waiting for him. He knows this and he is going to make sure of it NOW.

That is why the manufacturer, the exporter, the wholesaler and the retailer of drugs, chemicals, perfumery and allied products welcome so reliable a business-bringer as the

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JUNE 25, 1921,

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FURTHER DETAILS IN OUR "SPECIAL ISSUE" BOOKLET

AYRTON'S WEEKLY PAGE 15

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THE FIRST SHAMPOO, 1,000,000 B.C.

AYRTON'S COCOANUT OIL SHAMPOO
(LIQUID)

P.A.T.A., per bottle ...	2/3
Wholesale, per dozen	16/6

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A daintily perfumed Cocoanut Oil Shampoo Tablet, similar in composition to Ayrton's Cocoanut Oil Shampoo (liquid). It is guaranteed to be manufactured from pure Cocoanut Oil, and does not contain any excess alkali. It lathers profusely with either hot or cold water, and is an efficient hair and scalp cleanser. Attractively packed in dainty cartons containing six tablets—each tablet sufficient for a pint of invigorating shampoo.

Retail (P.A.T.A.), per tablet **3d.**
Per carton of six tablets - - **1/3**

Wholesale, per dozen, **10/-**; per gross, **114/-**

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Lantern Slide, bearing your name and address, supplied on request with orders for six dozen and upwards.

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Concentrated Essences & Compounds

Unrivalled for Strength, Purity & Delicacy of Odour.

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ESSENCES, SOLIDES and LIQUIDS from flowers. RESINOIDS and POMADES.

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Makers of SYNTHETIC PERFUMES

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HIGHEST QUALITY. ABSOLUTELY PURE. UNIFORM DELIVERIES.

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The "Chemist's Own."

RETAIL PRICES
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8/- & 16/-
PER DOZEN.

Both sizes are on the P.A.T.A. and are supplied to Chemists and Druggists only.

The superiority of Mineral Spring over other effervescibles is not a vague generality, but something that can easily be recognised by Pharmacists and their customers — the crisp refreshing taste, the prolonged effervescence, the crystal-clear sparkle, the excellent keeping properties are points in which we welcome comparison with rival products. "Mineral Spring" is Kerfoot quality and Kerfoot quality is Chemists' quality.

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PARMA VIOLET. SWEET PEA.
WHITE ROSE. WHITE LILAC.
WALLFLOWER. LILY OF THE VALLEY.

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A very attractive and good Selling Line.

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SPOT DELIVERY.
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Before placing your contract be sure to get Shipkoff's sample and price, and try it. Original Sample Coppers in 1, 2 & 4-oz. sizes.

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FLOWER OILS –
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COMPOUNDS
CONCENTRATED ESSENCES
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The use of our essences of unequalled delicacy gives
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Please send for samples to prove our essences and to convince you of their great superiority.

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OIL PEPPERMINT
(NATURAL AND REDISTILLED)
AMERICAN

PACKED AS FOLLOWS:

3 20-lb. Tins to a Case | 10 5 lb. Tins to a Case
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SEE OTHER SIDE

Fanchette **(Regd.)**

LIQUID FACE POWDER

A Charming Toilet Preparation.

Selling Price, **2/6** per bottle.

Retailers, Less 33⅓ % Wholesalers, Less 33⅓ % & 20 %

MANUFACTURERS:

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A fee will be allowed to Chemists who give good display. Full particulars from—

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New, Clean Stock—*not Army Surplus.*

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Do., in Black Box, with Strop and 12 Blades ... ... **10/6** each.

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Have you a good Skin Soap in your Pharmacy?

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Please forward special Spring Show Parcel, carriage paid home as under, for which I enclose 31/6.

3 doz. 9d. tablets MARSHALL'S SKIN SOAP	13/6
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1 doz. „ „ „ „ „ (bonus)	
Outlay	31/6
Selling at...	75/-
NET RETURN	43/6

Affix Address Ticket Here.

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Where Quality Reigns Supreme

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There are many lines you frequently sell whose usefulness you do not endorse.

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You are safe to display DE LUZY lines because they are really good, and can only enhance your good name.

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DE LUZY LINES TO-DAY.

Tariff and Sample Box Powder free on request to any Chemist unacquainted with the series.

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A perfect French Face Powder perfectly presented

The 10½D. Model enjoys phenomenal popularity to-day.

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A completely new idea in Face Cream. Meets the needs of many women who dislike the ordinary Vanishing Cream.

1/3, 2/6, 3/ retail, in distinguished pots. Twelve in a display box.

BEAVERPUFS & NUPUFFS

Beaverpuf—Brown fur.
Nupuff — White fur.

The dainty leather and fur puffs, complete with face powder, that *sell freely on sight.*

P.A.T.A.	Dozen.
4/6	**36/-**

In ½-dozen display boxes.

W·H·CALNAN & Co LTD.
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Euthymol
TOOTH PASTE

is known, admitted and approved

BY THE PUBLIC

on account of its

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2. **Established reputation**
3. **Popular price**

BY THE PHARMACIST

on account of its

1. **Handsome protected profit**
2. **Ready sale**
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In a phrase, because

EUTHYMOL BENEFITS ARE ASSURED

PARKE, DAVIS & CO.

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Laboratories - - Hounslow, Middlesex.

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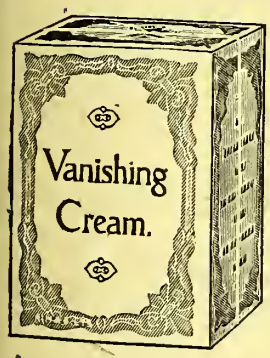
Hovenden's Toilet Preparations.

Attractive in Appearance, Reliable in Quality and Delicately Perfumed.

SEASONABLE — Suitable for High-Class Trade.

SALEABLE — Bear our Trade Mark as a Guarantee of Quality.



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No. 4764. 2-oz. size.
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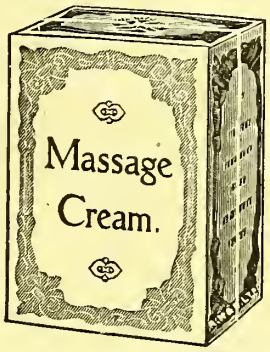

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CHAMOMILE & ROSEMARY, PINE.
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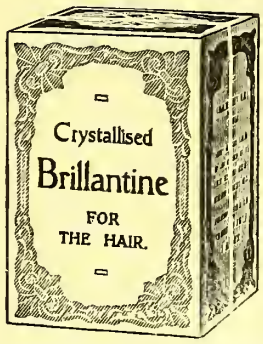

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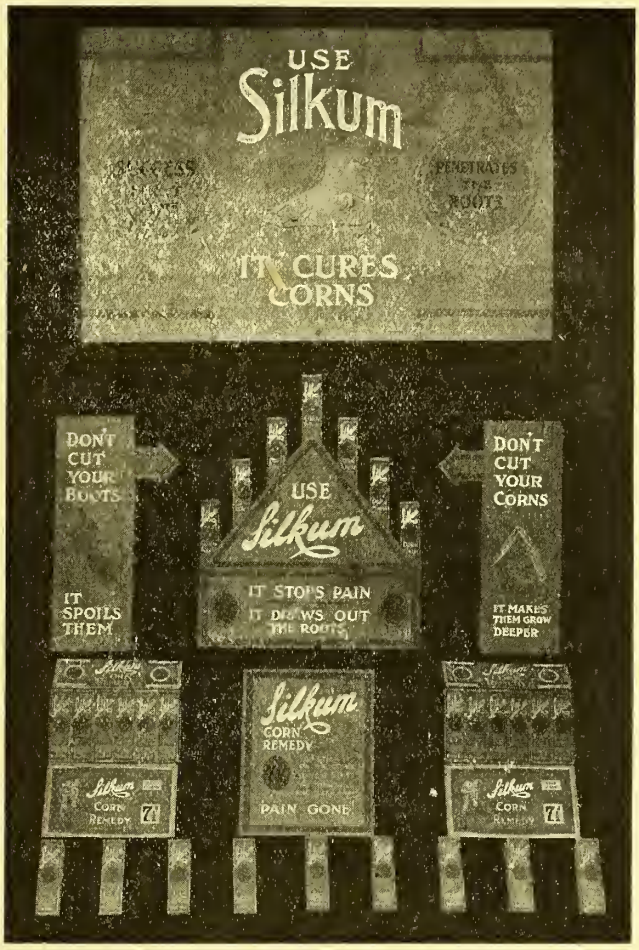

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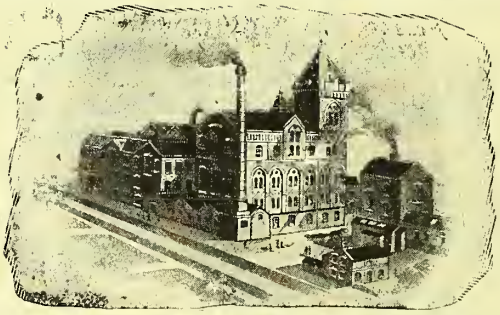
"John  Bull"

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ALTERATIONS IN TRADE LIST PRICES

During APRIL, 1921

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NOTE.—The prices given below are current trade list prices to which 10 % is to be added to arrive at the Minimum Selling Prices to the public.

TRADE MARK 'TABLOID' BRAND		Per Dozen 25's	Per Dozen 100's
	Butyl-Chloral Hydrate and Gelsemine	16/6	53/6
,,	Hexamine, gr. 3	8/-	24/-
,,	,, gr. 5	9/-	27/-
,,	,, 0·5 gm.	13/-	39/-
,,	Ipecacuanha Powder, gr. 5	—	53/6
,,	,, ,, gr. 5, k/c	—	53/6
,,	,, ,, 0·25 gm.	—	45/-
,,	Urotropine, gr. 3	8/-	24/-
,,	,, gr. 5	9/-	27/-
,,	,, 0·5 gm.	13/-	39/-

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MILAN SHANGHAI BUENOS AIRES BOMBAY

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Cascara Sagrada, gr. 2

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Produces the full physiological effect of the true drug.

Always satisfies. Yields a substantial profit.

Issued in bottles of 25 *and* 100, *at* 7/- *and* 18/- *per doz. (subject)*

Also in the following strengths:
gr. 1, *gr.* 3, *gr.* 4, *gr.* 5, 0·15 *gm. and* 0·25 *gm.*

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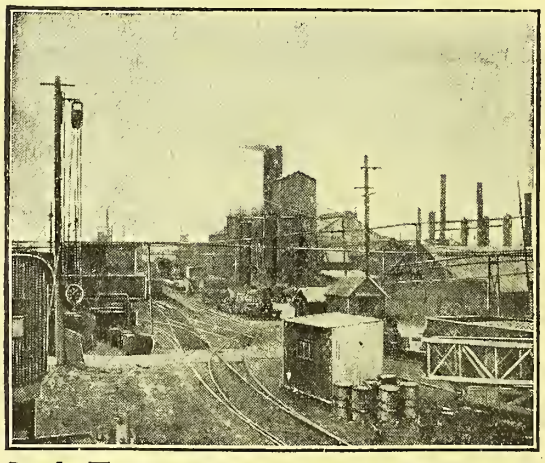

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Benzols, Toluol, Solvent Naphthas. Carbolic and Cresylic Acids, Creosote and Fuel Oils, Pitch, etc. etc. Timber for Dock and Harbour work. Deals, Battens, Boards, Floorings, etc. Railway Sleepers and Crossing Timbers, Telegraph Poles, etc. etc. Saw Millers and Timber Preservers.

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PINE OIL BLOCKS
NAPHTHALENE BALLS
" CANDLES
" TABLETS
" FLAKE
" BLOCKS
" POWDER
LIQUID SANITARY SOAP
WOOD PRESERVATIVE
ETC. ETC.

THE CHEMIST AND DRUGGIST

ESTAB. 1859

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades

THE CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in the Overseas Dominions.

Subscription Rate. TWENTY SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary.* Subscriptions may begin with the first issue of any month. Single Copy 9*d.* post free; *Diary,* 10*s.* post free. Postal orders and cheques should be crossed "Bank of Liverpool and Martin's Ltd."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 20*s.*, franco.

Il prezzo dell'abbonamento annuo è di 20 sc. franco, e s'intende per un numero settimanale del periodico, ed un esemplare del diario annuale.

Précio de suscrición 20 chilines anuales. Se publica los Sábados. Número suelto 1 chilin. Tambien se remite a los suscritores una vez por año el "Almanaque de Referencia."

Terms for Advertising may be obtained on application to the Publisher.

HEAD OFFICE: 42 CANNON STREET, LONDON, E.C. 4.

Telegrams: "Chemicus, Cannon, London." Telephone: Central 3617 (three lines).

BRANCH OFFICES: { 49 County Buildings, Old Millgate, MANCHESTER MELBOURNE and SYDNEY, AUSTRALIA.

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AAN ONZE HOLLANDSCHE LEZERS.

De handels vriendschapsbanden welke sedert eeuwentusschen Groot Brittanje en Nederland hebben bestaan worden van jaar tot jaar nauwer toegehaald. De uitvoer uit Holland—volgens de jongste Maandelijksche opgaaf van het Handelsministerie geschat op £141,788,000—bestaat grootendeels uit zaden, specerijen, zaadoliën (essential oils) en natuurlijke zoowel als samengestelde parfumerie produkten. De voornaamste geneesmiddelen zijn natuurlijk kinchona en kinine, waarmede de Hollandsche fabrikanten zoo goed als de gansche wereld voorzien. Onder de fijne chemikalen behooren theobromine zouten en kaffeine, terwijl andere voorname pharmaceutische benoodigdheden zijn: cacaoboter (theobroma cacao) en zaadoliën, zooals karwei, calamus, sandelhout, valeriaan, mosterd, nootmuskaat, oelie, cuscus, citronella, patchouli, cananga, en hyacinth. De bestaande groote omzet in synthetische chemikalen voor de parfumerie- en zeep-bereiding kan nog verder worden opgevoerd, gezien de zeer hooge reputatie welke de Hollandsche merken van kunstmatige muskus genieten. De invoer in Holland—in hetzelfde tijdperk geschat op £277,677,000—sluit groote zendingen geneesmiddelen, chemicalen en aanverwante artikelen in, zijnde London de voornaamste bron van onbereide geneesmiddelen. De veerschende prijzen van alle geneesmiddelen en chemikalen met inbegrip der verschillende hierbovengenoemde artikelen) worden geregeld in ons Wekelijksch Handelsverzicht genoteerd en ons blad staat steeds ten dienste van de voorname firmas hier te lande zoowel als in Holland, die er op uit zijn nieuwe en loonende handelsbetrekkingen aan te knoopen.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

The Opium Traffic.

A telegram from Geneva states that the principal feature of the final sitting, on May 6, of the League of Nations Opium Committee, was a very frank speech by Sir John Jordan, late British Minister to Pekin, in which he made clear the present situation in China. By 1917, he stated, owing to the energetic campaign which the Chinese Government had been carrying on, China was practically free from opium. Just at this time, however, the smuggling of opium over the frontiers commenced upon a gigantic scale. The Government found itself unable to cope with this. Its resistance to the opium trade gradually collapsed, and the situation to-day was that enormous quantities of opium were being grown in the large provinces, whose military governors are in a position to defy the distant central Government. Nevertheless, Sir John said that he was confident that China could still cope with this evil, provided she were loyally supported. The only effective way in which support could be given was to prohibit the growing of opium everywhere except for medicinal and scientific purposes. So long, he said, as the Hague Convention left the signatory Powers free to grow as much opium as they pleased, its application could not possibly operate to rectify the situation in China. Mr. Campbell, the Indian representative, pointed out that under Article XXIII. of the Covenant, the League of Nations had no authority except to supervise the execution of the Hague Convention. He dwelt on the difficulty of arriving at this Convention, and also on the fact that it had only been in force for four months. He emphasised the desirability of trying the powers of the Hague Convention before scrapping them. Mrs. Hamilton Wright, the American secretary of the Committee, strongly supported the line taken by Sir John Jordan. She declared that if the League's powers in the matter were as limited as Mr. Campbell contended, the fact should be proclaimed to the world, and no time should be lost in summoning a further International Conference, competent to amend the Hague Convention. After considerable discussion the majority of the Committee adopted the view of Sir Malcolm Delevingne, the British representative, who proposed postponing this question until the Committee had received all the answers to its questionnaire. This closed the proceedings. The Committee will meet again in February of next year.

Philip's "Standard" Retail Price List.

The following are among the alterations in the current issue of Philip's "Standard" Retail Price List:

Drugs.—Ac. acetylsal. pulv., 8*d.* oz.; ammon. chlor. coml., 1½*d.* oz.; ferri et quin. cit., 2*s.* 6*d.* oz.; ichthyoc. Braz., 11*d.* oz.; inf. quass. conc., 3*d.* oz.; lini sem. opt., 1*d.* oz.; liq. formaldehyd., 2½*d.* oz.; liq. hamamelid., 3½*d.* oz.; mag. cit. eff., No. 1, 3½*d.* oz.; menthol, 4*s.* 6*d.* oz.; myrr. pulv. (No. 2), 9*d.* oz.; ol. bacc. junip. exot., 2*s.* 2*d.* oz.; ol. limonis, 8*d.* oz.; ol. menth. pip., 4*s.* 3*d.* oz.; ol. olivæ sub., 3½*d.* oz.; pot. bichrom., 3*d.* oz.; pot. carb. coml., 2*d.* oz.; pot. nit. coml. pulv., 1½*d.* oz.; pot. permang., 4½*d.* oz.; pulv. glycyrrh. co., 3*d.* oz.; sacch. ust. liq., 2*d.* oz.; santonin., 4½*d.* gr. 2; sulphur sub., B.P., 1*d.* oz.; tinct. opii, 7*d.* oz.; ung. gallæ c. opio., 7*d.* oz.; ung. hydrarg., 4½*d.* oz.; ung. hyd. iod. rub., 7*d.* oz.; ung. iodi, 8*d.* oz. *Goods Sold by Pint, etc.*—Ol. cetacei, 1*s* 11*d.* pt.; ol. colzæ, 1*s.* 8*d.* pt.; ol. morrhuæ opt., 1*s.* 10*d.* pt.; ol. terebinth., 1*s.* 4*d.* pt. *Bandages, Domette.*—2-in. 1*s.* 3*d.*; 3-in. 1*s.* 10½*d.*; 6-in., 3*s.* 8*d.*

Discussion on Infants' Clinics.

At the May meeting of the Bootle town council a councillor (Mr. James Spence) inquired whether the money voted for infants' food by the health committee (225*l.* for six months) was expended wholly on the class of mothers

and infants who ought to benefit. Was not Glaxo, he asked, obtained by the well-to-do at redneed prices at the clinics? Dr. John Rafter (an ex-Mayor) said he had long qnestioned, and still qnestioned, whether the borongh received good value from the clinics, or whether they were abnsed. Dr. James Pearson (also an ex-Mayor), a medical officer of the West Derby Union, said that Glaxo was sold at the clinics for a little more than the wholesale price. Still, the chemists did not suffer, but indeed benefited throngh such sales of Glaxo. Further discussion showed a strong belief that the clinics had been misused selfishly by some persons. Commenting on the discussion, the "Bootle Times," while omitting the references to Glaxo, remarks: "Is it not a fact that certain people well able to pay the ordinary retail prices have utilised the clinics to procure dried milk and other patent foods for children at wholesale prices? . . . An instance was given by the chairman of the health committee, who said he knew of cases where milk obtained at the clinic under the ordinary market price had been nsed for making puddings for grown-nps. And we, ourselves, know of other cases—in one instance the hnsband's salary was close upon 500*l.* per annum."

Poisonings.

The following cases of fatal poisoning have been recorded since our last report:

At Manchester, John M. Lickley, grocer, Whitland Street, committed snicide by taking strychnine in the form of vermin-killer.

At Lambeth, London, S.E., William E. Jones, jeweller's assistant, committed suicide by drinking a fluid described as "carbolic and creosote" while of unsound mind.

At Pontefract, George W. Roberts, a regimental sergeant-major, committed suicide by taking hydrocyanic acid while of unsound mind. The coroner was reported as saying at the inquest that there was enongh poison in the bottle that Roberts had to kill a regiment.

Birmingham.

Shoplifting is very common locally.

Correspondents in the local Press ask "the workers" to shop early, so that the proper hours of business may be observed.

Rose Hill estate, presented to the city by Messrs. Edward and George Cadbury, jun., was opened by the Lord Mayor on May 7.

A local pharmacist who spent the whole day in travelling to Rugeley and back is stated to have been impressed with the present railway facilities.

A correspondent inquires if there is any connection between the flood of cheap tooth-brushes in the Midlands and the report of a local medical officer concerning the number of children with defective teeth.

Mr. L. C. Tipper has recently given evidence before the Home Office Committee which is considering the Dangerous Drugs Act Regulations, on behalf of several local associations connected with veterinary work and agriculture.

About sixty-five members and friends of the Birmingham Pharmaceutical Association paid a visit on May 4 to the works of Cadbury Bros., Ltd., Bournville. The efficiency in all parts of the work, and the provisions for cleanliness and for the comfort of the workers, appealed to all. A collection in aid of the Pharmaceutical Society's Benevolent Fund amounted to 4*l.* 4*s.*

The funeral of the late Mr. F. Barlow (*C. & D.*, May 7, p. 57) took place on May 6 at Brandwood End Cemetery. The Council of the Association was represented by Mr. J. W. Atkinson (President), Mr. F. Smith (secretary), Mr. G. Knowles, Councillor J. Poole, Mr. F. H. Alcock, Mr. H. H. Marshall, Mr. J. W. Bland, Mr. C. V. Thompson, and Mr. W. H. Whittock (chairman of the Pharmacentical Committee). Others present included Messrs. T. Barclay, jun., F. J. Gibson (Wolverhampton), A. W. Gerrard, Ph.C., Gordon, and Hipkiss. Mr. Charles Thompson was unable to attend owing to an illness, and was represented by Mr. Vernon Thompson. Amongst the wreaths were one from the Association and one from the Pharmaceutical Committee. The gathering, which numbered upwards of 200, also included several members of the old King's Norton Board of Guardians. Mr. Barlow was a native of Birmingham, and served his apprenticeship in Sherlock Street.

Leicester.

Several of the chemists' shops suffered during the recent window-slashing epidemic.

The stoppage of the tram service at 2 P.M. is having a bad effect upon trade in the centre of the town.

Needhams, Ltd., and Young & Sons have entered for the Eucryl window-display competition. There is a novel Euthymol display at the Humberstone Gate pharmacy.

The opening game of the local pharmacists' cricket season was a trial one, the vice-captain's team beating the captain's by 51 runs. The scores were 141 and 90 respectively. A match against the City police will be played on May 12.

Liverpool.

"Give us industrial peace and we should be running as much overtime as our staffs could supply" was the sentiment of the Hanover Street houses this week.

Safety-razor outfits, from the United States military stores, figure among the bargains offered by pharmacists and other traders. Brushes of all kinds also appear prominently in shop-windows.

The British Pharmaceutical Conference programme to hand is regarded as a spirited variation of the Liverpool record adapted to the resources of the finest part of the Yorkshire coast. In the addition of swimming and cricket to golf and bowls is displayed a pleasant rivalry with the Liverpool athletes.

Invitations received, on May 6, to attend the funeral of the late Mr. Charles Hare, Sonthport, formed the first intimation in Liverpool of his death (see p. 44). Mr. Hare was a member of the Liverpool and the Southport Associations. Clever, vigorous, and progressive, he will be missed much; and sympathy goes forth to his young widow, who took an active part in the Southport reception of the British Pharmaceutical Conference last July.

The Merseyside and Sonthport Pharmaceutical Freemasons have accepted the invitation of the Manchester Pharmacists' Masonic Association to join them in a picnic under the "chairmanship" of Bro. Sir William Veno, on June 1. The parties are to meet in Bolton, whence a fleet of motor charabancs will convey them to Hodder Bridge, Clitheroe. Other arrangements of the Merseyside brethren include the election of officers in September, a whist-drive in October, and a dinner in the following January.

Sheffield.

The only busy place in Sheffield, it is recorded, is the Labour Exchange. Works are closing down slowly but inevitably.

The panel practitioners of Sheffield have presented the sum of 1,000*l.* to the University for the purposes of what is variously described in the lay Press as "a field research laboratory" and a department for "the study of pharmacology." Professor Mellanby, to whose work on nutrition attention was called in our columns last year (*C. & D.* I., 1920, p. 657), is to be in charge.

Miscellaneous.

Exhibition of French Products.—A permanent exhibition of samples of French products was opened on May 5 at the premises of the French Chamber of Commerce, Queen Victoria Street, London, E.C. 4. The displays of Deraisme & Co. (optical goods), E. Dupont & Co. (shaving- and hair-brushes, etc.), Mainel & Co. (toilet requisites), and Ryder & Co. (perfumery and essential oils), are of considerable interest, and the idea of the exhibition is obviously susceptible of considerable development.

Restricted Scheme for Continuation-schools.—At a meeting of the Education Committee of the London Connty Council, on May 9, a recommendation to the effect that the Conncil's interim scheme in respect of day continuation-schools should be amended for the present so as to provide continned education only np to the

ge of fifteen years was carried. An amendment was ubsequently adopted giving the Committee a free hand o recommend the Council to extend the system to two ears if at any time it was felt to be practicable.

Unlawful Possession of Opium and Cocaine.—At hames Police Court, London, on May 6, eight China-en were fined or imprisoned for offences in connection ith opium-smoking (including the possession of opium). he magistrate observed that there had been a consider-ble change for the better in Pennyfields for some time, nd opium-smoking seemed now to have simmered down a little gang of men who were "running" these ir-egularities.—At Marlborough Street Police Court, on lay 9, Percy Myers and Mickie Desmond were sentenced espectively to two and three months' hard labour for ing in unlawful possession of cocaine.

In the Courts.—At Marylebone Police Court, London, n May 9, Hugh Morton, otherwise Mortinoff, 74 Park treet, was fined 20*l.*, with 5*l.* 5*s.* costs, for falsely etending to be a general medical practitioner, and 90*l.*, ith 15*l.* 15*s.* costs, for prescribing a remedy for venereal isease in contravention of the Venereal Disease Act, 917. Counsel for the Medical Defence Union (the prose-utors) said, in the course of his opening statement, that e defendant had treated several patients for that isease, and had on many occasions taken the precaution call in a registered man, who, it might be, thought he as dealing with another registered man. The registered an had, in fact, actually administered the injection and sted the blood, but the defendant had himself prescribed r the disease and had been paid. It was stated for the efence that the defendant held a Russian medical qualifi-tion.—In Westminster County Court, recently, Mr. arkin Stanley Booth, as trustee for Thomas Wooldridge Co., chemists, 26 Lisle Street, W.C. 2, succeeded in an plication against Mr. Jacob Cohen Lask, manufacturing emist, who had put in an execution for 51*l.* 17*s.* His onour said that defendant had no case.—At Tower idge Police Court, on May 10, William H. Stoneman 2) was remanded on a charge of breaking and entering to the warehouse of H. S. Lovell & Co., manufacturing emists, Baden Place, S.E. 1, and attempting to steal ticles the property of Mr. Thomas, proprietor of the m, It was stated that the prosecutor is the manufacturer Glitterite metal polish, and that the accused had been anager of the warehouse for a long time.

Opposition to a Proposed Laboratory.—At a Ministry Health inquiry held on May 4, Mr. H. S. Wellcome, oprietor of Burroughs Wellcome & Co., sought sanction proceed with the erection of certain buildings at ngley Court, Beckenham. The application was posed by the local urban district council and a number residents. Sir Albion Richardson, for Mr. Wellcome, id that a laboratory instituted by him at Brockwell rk had been of the highest national utility, and during e war the Army was mainly dependent upon it for its pplies of serum. Langley Court and 105 acres of land re bought for 30,000*l.*, and several thousand pounds s spent in converting the building. Mr. G. E. Pearson, r. Wellcome's manager, denied that this was a commer-l undertaking, and Dr. O'Brien, director of the Well-me Physiological Research Laboratory, said that about dozen kinds of serum would be prepared at the labora-y. He did not think the infection of anyone outside ossible danger.

Theft Charges.—At Guildhall Police Court, London, May 5, David Brady and Bertie W. Shears were com-tted for trial on charges of stealing and receiving ushes, combs, and other articles, the property of W. M. rachan & Co., Ltd., Bury Court, E.C. (*C. & D.* ril 23, p. 35). Shears was alleged to have sold 1,578*l.* rth of such goods to a perfumer for a third of their lue.—At Lambeth Police Court, on May 5, William orley (16), warehouseman, was remanded on a arge of stealing perfume, value 6*s.*, and razor blades, lue 6*l.* 2*s.*, the property of William Edwards & Sons, een Victoria Street, E.C. 4, and Frederick H. vidson, an assistant relieving officer, was remanded a charge of receiving two packets of the blades.—Richmond, Surrey, on May 5. Colin L. Weeks, alias Sidney V. Taylor (25), described as a sergeant in the Royal Irish Constabulary, was sentenced to three months' hard labour on each of three charges of stealing cameras and films by means of a trick. The chemists victimised were Morell & Howells, Hill Street; Mr. Ernest L. Slade, Kew; and Parke's Drug Stores, Ltd., Lavender Hill, S.W. 11. The method of the accused was to telephone for the goods to be sent to a local address, and then to call at that address soon after the parcel had arrived and "explain" that it had been left there in mistake. The Bench made an order for the restitution of the property.

Irish News.

Brevities.

Mr. W. J. Horne has been appointed analyst to the Limerick Corporation at a salary of 30*l.* a year.

The windows of the premises occupied by Mr. A. N. Cole, Ph.C., 116 North Main Street, Youghal, were smashed in the general destruction of plate-glass windows in Youghal on May 7, following the shooting of some persons returning from a military dance.

A curative centre, including *x*-ray and electric massage treatment, has been formed in Lurgan, co. Armagh. Treatment is given free to ex-Service men, and the general public will obtain treatment at moderate charges. The cost of the entire installation, 1,200*l.*, was obtained from the surplus Red Cross funds by Mr. A. W. Mann, Ph.C., a member of the finance committee.

Belfast.

A Post Office linesman and two assistants, while installing a telephone in the premises of Mr. Edward Kelly, Ph.C., 27 Falls Road, were held up by masked men who stole the instrument.

Mr. T. W. McMullan (Thos. McMullan & Co., wholesale druggists), one of the Unionist candidates for co. Down, is pursuing an energetic campaign, addressing meetings nightly all over the county.

Arrangements have been made to hold the competition for the McMullan Golf Cup this year at Bangor Links on May 31. Intending competitors should communicate with Mr. W. J. Rankin, jun., 11 Waring Street, Belfast.

At the Recorder's Court, on April 6, James W. Allen, a druggist's assistant, was sentenced to twelve months' imprisonment, with a further six months in default, for taking part in the holding up of two clerks with revolvers in a carrier's office and stealing 35*l.* on March 8. The Recorder, disregarding an appeal for leniency, said the revolver business was far too common in Ireland (*C. & D.*, April 9, p. 36, and March 26, p. 63).—At the same Court, on April 6, David Ritchie was sentenced to twelve months' imprisonment for stealing goods, the property of J. & J. Haslett, Ltd., chemists, 18 and 20 North Street. Accused was described as a "dope fiend."

Chemist Shot Dead.

Mr. Robert Duggan, Ph.C., 1a Summerhill Parade, Dublin, was shot dead on May 10. Shortly after noon three young men entered his shop and asked for some black enamel. They were leaving without paying, and, as Mr. Duggan was moving from behind the counter to intercept them, one of the men whipped out a revolver and fired at him at point-blank range. Mr. Duggan fell, and died almost immediately. The assailants succeeded in escaping. Mr. Duggan, who was sixty-five, was well known in the district, particularly among the poorer classes, by whom he was spoken of as "Dr. Duggan." Mr. James Duggan, a son, was a witness of the crime. It is believed that robbery on a large scale was contemplated.

The furnaces at the Charlton works of United Glass Bottle Manufacturers, Ltd., are being converted so as to burn oil in place of coal. Three tanks, each of 100,000-gallon capacity, will be installed.

Scottish News.

Brevities.

Mr. G. Rome Innes, chemist and druggist, Lossiemouth, has been appointed to supply drugs, etc., to Drainie parish council for the ensuing six months.

Mr. James Spence, chemist and druggist, has been appointed to supply drugs, etc., to Elgin and District Board of Control for the ensuing six months.

Most Scottish wholesalers are badly feeling the effects of the coal strike. One sundries house in the West has had to reduce its staff by about 50 per cent., the remainder being on weekly notice.

The sale of firewood is becoming a profitable side-line with one chemist in the North who has got rid of quite a number of old packing-cases by showing one or two appropriately labelled.

An article signed "Pharmakos" and written by a qualified chemist appeared in a recent number of the "Weekly Scotsman." The author relates some of his personal experiences with "dope and dope fiends."

Shortly before the distribution of the soup from one of the communal kitchens at Cowdenbeath, on May 4, an attendant complained of the peculiar smell emanating from the boilers. Analysis subsequently proved that the soup contained a large quantity of Epsom salts.

Dundee.

A drug-store offers alarm clocks at 6*s*. 6*d*. as an ideal present.

A druggists' traveller while in Dundee recently called at the Police station—not for an order, but to report the loss of his overcoat and business papers from the hotel.

Edinburgh

Local chemists will close all day on Tuesday, May 24.

"Twopence worth of gummy rabbit," ran a scribbled request handed in at a city pharmacy this week.

It is announced that some of the original prescriptions of the Ministry of Pensions in this area have been mislaid. Any outstanding claims for payment should be made to the area official in charge of finance, enclosing a duplicate copy of the unpaid prescriptions.

At a meeting of the Royal Society of Edinburgh, on May 2, under the chairmanship of the President, Professor F. O. Bower, D.Sc., a paper was submitted on "The Behaviour of an Electrified Pith Ball in an Ionised Atmosphere," by Dr. D. Turner and Mr. D. M. R. Crombie. The ionising effects of *x*-rays and radium were also demonstrated. A communication on "Old Red Sandstone Plants," by Dr. Kidson and Professor Lang, was also read.

A meeting of the directors of the Highland and Agricultural Society was held in Edinburgh on May 4, when a communication was read from the Home Office requesting the society to state any further objections to the Regulations proposed in relation to dangerous drugs. Dr. Tocher, Ph.C., the society's chemist, said he thought Scotland should be excluded from the scope of these Regulations. The use of dangerous drugs was not prevalent in Scotland even in populous areas, and it would be necessary to use such drugs in the case of the treatment of horses, cattle, and sheep. It was also possible that they might find additional reasons for opposing the introduction of these Regulations so far as Scotland was concerned. It was suggested that Dr. Tocher attend the inquiry in London to emphasise the Scottish objections from a scientific point of view.

Glasgow.

Mr. A. S. Pool, chemist and druggist, has resigned from the directorate of F. Halden, Ltd., 63 Garscube Road, and has opened a business at 6-8 Grove Street.

Miss Nina Miller, daughter of Mr. J. W. Miller, chemist and druggist, Dowanhill, has been awarded a silver medal, the first prize, for violin solos (junior class) at the musical festival.

Glasgow University is shortly to confer the honorary degree of Doctor of Laws upon several well-known men, including Mr. Laurence Binyon, British Museum, London, and Principal Irvine, St. Andrews University.

"To a Glasgow wholesale house falls the distinction 'Immediate Despatch Service,'" writes a correspondent. "A chemist, distant nearly 100 miles from Glasgow, received a medium-sized order for drugs and sundries per goods train exactly twenty-four hours from the time the wholesaler received the order. Where can this be beaten?"

At a recent meeting of the directors of the Chemists' Friendly Society a highly satisfactory auditors' report was submitted. The proposal that the additional benefits available from July of this year should take the form of increased monetary payment in respect of sickness, maternity, and disablement benefits was unanimously agreed to. The exact amount under each head will be announced later.

Glasgow Pharmacy Club

The Glasgow and West of Scotland Chemists' Association and the Glasgow Pharmacy Athletic Club were amalgamated into one body, now known as the Glasgow Pharmacy Club, at a meeting held at 165 Hill Street, on April 29. The various reports showed that the new club starts in an auspicious manner, with all sections in a healthy condition. Office-bearers were appointed as follows: *Honorary President*, Mr. George Mackay; *President*, Mr. W. Wood Wilson; *Vice-Presidents*, Messrs. R. Dickson and Harvey P. Arthur; *Secretary*, Mr. P. M. Duff; *Treasurer*, Miss L. Ramsay; *Librarian*, Mr. John H. Ramsay. The new constitution was submitted for approval and, with a few alterations, was accepted. A grant of 4*l*. 4*s*. was made to the Benevolent Fund of the Pharmaceutical Society, and a collection for the Orphan Fund amounted to 2*l*. 15*s*. Mr. James Dow, the retiring secretary, was cordially thanked for his services to the Athletic Club during the last three years and the active and efficient part he had taken in the formation of the new club. Mr. Dow suitably replied. The angling section of the club held its first outing recently on Loch Ard. There was an excellent turn-out of members, and most were conveyed to Aberfoyle by motors kindly provided by Messrs. McKinnon, Gowans and Logan. The day was ideal for an outing, but not for angling, the sun being too bright. The "creels" were therefore light. The prize-winners were: (1) Mr. Wm. Gardiner, (2) Mr. Thos. McKinnon, (3) Mr. George Michie. A new fly was invented for the occasion and called the "Gregory's Mixture." The trout were in no hurry to sample it. The musical and dramatic section held a social meeting in the Royal Hall, Sauchiehall Street, on May 3. After tea, Mr. F. W. Soddy, convener, congratulated the section on its work during the past session. Mr. Dickson, conductor of the choir, and Mr. Wood Wilson, President of the club, also addressed the gathering. Dancing was then engaged in, and a fine musical programme was provided by Misses Reid and Soddy, Mrs. Teale, Messrs. Dickson, McKenzie, Gowans, McAdam, and Whitesmith, while a solo dance was contributed by Miss McKenzie. Miss Winifred Beaton, A.L.C.M., presided at the piano, and Mr. D. G. McKenzie acted as M.C.

Deed of Arrangement.

Scott, Charles Edward, chemist and druggist, 65 Albemarle Road, York. Trustee: P. S. Booth, 2 Bixteth Street, Liverpool, accountant. Dated April 21, filed April 26. Liabilities, 249*l*.; estimated net assets, 840*l*. Among the creditors are: Allen & Hanburys, Ltd., 23*l*.; Warrick Bros., Ltd., 11*l*.; S. Maw, Son & Sons, Ltd., 10*l*.; White Band Manufacturing Co., Ltd., 11*l*.; Evans Sons Lescher & Webb, Ltd., 13*l*.; Ayrton, Saunders & Co., Ltd., 12*l*.; The Veno Drug Co., Ltd., 10*l*.; Bleasdale & Co., Ltd., 52*l*.

Netherlands Notes.

(From the "C. & D." Correspondent.)

Export of Potassium Salts.—The Dutch Minister of Agriculture, Industry, and Commerce has cancelled the prohibition of export of potassium salts as from May 1.

Bandoeng Fair.—The committee of the Dutch East Indian Fair at Bandoeng (Java) has announced that all restrictions as regards exhibitors have been removed and that participation by practically anyone will be possible. The fair will be officially opened on September 19.

Attack on the Quinine Monopoly.—The "Algemeen Landbouw Weekblad voor Nederlandsch Indië" states that it was recently informed that a large undertaking, which in its own interest as well as for the sake of its workpeople had instituted a regular system of treatment for malaria, had been compelled to stop this treatment on account of the difficult times now being experienced and the shamefully high price of quinine. Upon making inquiries to ascertain the price of quinine in the country it was found that for no appreciable cause, and solely in consequence of the monopoly held by the manufacturers, the price had increased within a few months from 55 florins to 110 florins per kilo. It was also ascertained that for an undertaking employing about 600 coolies, and providing an effective prophylactic treatment against malaria, this price entails an outlay of many hundred florins monthly, contributed to the holders of the quinine monopoly, sums which stand in no relation to the cost-price of this product. The journal continues, "We must draw attention to the fact, in these days of general shortage of money, that this profiteering entails serious danger to the public health. It is impossible to conceive the results of depriving a whole population of coolies of the use of the valuable and costly quinine."

Morpheus, the Law-maker!—In the "Pharmaceutisch Weekblad," recently, Professor P. van der Wielen contributes an article on the "Opium Law and its Consequences," in which he states that this law, passed on October 4, 1919, and enforced on October 3, 1920, still "belongs to the realm of things which cannot be understood." He refers to a letter received by him from an Englishman, which he reproduces in the original text: "Could you tell me whether the Dangerous Drugs Act is the cause of much encumbrance to Dutch pharmacists? Does it fall in with the laws regulating the practice of pharmacy, or does it give much extra trouble? Are there any prosecutions because of offences against the opium law by outsiders? One of my non-pharmaceutical friends tells me that he can obtain any quantity of coca leaves in Holland. Does not the law interfere with this? He also tells me that he can obtain as much opium-containing patent medicines as he likes; I cannot imagine that this should be true. Could you give me any information?" "How can we answer this query?" asks Professor van der Wielen. "Officially we know nothing; pharmacists and doctors, upon whose good faith the execution of the opium law alone depends, are left in ignorance." This is due to the fact that the Government has not yet issued the regulations for the practical application of the provisions of the opium law, and the writer hopes that the Dutch Government will speedily recognise the necessity of giving effect to and enforcing respect for national laws and international treaties. The laxity displayed by the Government, he states, may possibly cause Holland to become the centre of clandestine trading in opium and cocaine.

New Customs Tariff.—A Dutch law, dated March 18, 1921, amending in certain particulars the tariff law of the Netherlands East Indies, lays down revised import and export tariffs for the colony. The law is to take effect thirty days after its publication in the "Staatsblad van Nederlandsch Indie," except in so far as concerns the new export duties on rubber, copra, cinchona, quinine, coconut oil, and pepper, on which it is to come into force 120 days after publication. This means the new duties will be operative from August 16 next. The export duty on manufacturing cinchona varies from 0.02fl. to 2.67fl. per kilo. of sulphate of quinine in bark form—*e.g.*, when the price per unit amounts to 5 cents or more, but less than 5.10 cents, the duty will be 0.02fl.; 6.00c. to 6.10c. will pay 0.14fl.; 7.00c. to 7.10c. will pay 0.45fl.; 8.00c. to 8.10c. will pay 0.89fl.; 9.00c. to 9.10c. will pay 1.40fl.; 10c. to 10.10c. will pay 2.00fl.; and 11.20c. to 11.30c. will pay 2.67fl. per kilo. of quinine sulphate in bark form. The export duty on quinine (sulphate) and other substances prepared from cinchona will be the amount of export duty on sulphate of quinine in bark form from manufactured bark. The export duty on sulphate of quinine in the form of pills, tablets, powders, etc., will be calculated on the net weight of the sulphate of quinine contained therein. On the export of pure or crystallised quinine and of salts of quinine other than sulphate of quinine, as well as of preparations of quinine or quinine salts, the duty will be levied, according to provisions to be established by Colonial Ordinance, in accordance with the quantities of sulphate of quinine equivalent to the quantities of quinine present in the goods exported. The export duty will be levied for a period of three years commencing from the date of its enforcement.

Colonial and Foreign News.

An amalgamation has taken place of the A. B. Pharmacia, Stockholm, and the pharmaceutical department of Malmsten & Bergvall, Gothenborg, under the title of the Apotekernas Droghandels Bolag. An initial share capital of 1,800,000 kr. is reported to have been subscribed.

Free Imports into Germany.—The importation of the following drugs into Germany is now permitted without a licence, but only for entire or peeled, and not for powdered drugs: Anise, fennel, coriander, cumin, cloves, ginger, cardamoms, mace, nutmegs, pimento, black and white pepper, clove stalks, cinnamon, and cassia.

Tax on Toilet Goods.—A new tax on all toilet preparations and perfumes has been introduced in Roumania. Each article will bear a revenue stamp to the value of 2 lei (nominally 1*s.* 8*d.*). The stamps to be affixed will consist of two sections, one half of which will be affixed to the article and the other retained as a control in the pharmacy.

The Roumanian Government has issued a decree making it compulsory for all pharmacists to keep the following books: a day book in which all takings and expenses are to be entered, a stock book, and a register in which all prescriptions have to be copied. Each page of these books will have to bear the prescribed inland revenue stamp.

German Alcohol Tax.—German papers report that the Government proposes to increase very considerably the tax on alcohol. It is stated that the new tax to be imposed will represent a net income amounting to 4,000m. on every 100 litres of alcohol, and assuming that a taxable quantity of 40,000,000 litres of alcohol will in future be used in Germany, this would represent a revenue of 1,600,000,000m. The new tax on alcohol would consequently be about forty times higher than the pre-war levy.

The consortium of manufacturers of medicinal specialities and the association of importers of perfumes have protested against the activities of two Milan revenue officers, who have for some months past been engaged in ascertaining whether the two Italian laws, the one requiring a revenue stamp on all receipts, invoices, etc., and the other imposing a stamp-duty on all perfumes, paid by fixing a revenue stamp to each container, have been complied with. It is stated that 150 different dealers in medicines and perfumery were subjected to this inspection, resulting in the infliction of fines aggregating 1,000,000 lire. Since an amnesty had been granted in 1919 to all transgressors, giving them three months' time in which they could comply with the requirements, the transgressors cannot plead ignorance of the law. The two revenue officers in question have stated that both associations are somewhat late in protesting, since the offenders have already paid the fines.

Legal Reports.

Illegal Sale of Methylated Spirit.—At Old Street Police Court, London, on May 11, George Lewis Turner, a manufacturer of varnish, Curtain Road, E.C., was fined 50*l.* on each of two summonses for illegally selling methylated spirit, and two of his customers, Charlotte A. M. May and John Parfitt, were fined 50*l.* and 100*l.* respectively for buying the spirit from him. It was stated for the prosecution that Turner had been granted permission to store industrial spirit on condition that he should use it for his own purposes only. Following the discovery that eau de Cologne was being manufactured from industrial spirit, it was ascertained that the spirit was supplied by Turner to the other defendants. The loss in Inland Revenue duty was estimated at 800*l.* The proceedings were taken under the Spirits Act, 1880, and the Customs and Inland Revenue Act, 1890.

Arsenical Borax.—At Salford Town Hall, on May 11, the hearing of the case against Mr. Harry Bellringer, chemist and druggist, 20 Great Clowes Street, for selling 4 oz. of borax containing 1½ gr. of arsenic per lb. (*C. & D.*, April 30, p. 54) was concluded. Mr. Matthew Hall, for the defendant, said his defence was that the borax was sold in absolutely good faith. A circular had been sent out warning the pharmacists of the borough. His client had four shops, and he said to the manager of the principal one that he must not use the borax in stock, but make a fresh purchase. The manager apparently ordered "pulv. boracis," but did not state "B.P." The stipendiary magistrate pointed out that the case depended on whether Mr. Bellringer had a warranty from the firm who supplied him. Mr. Hall said that his client had been in business for thirteen years, and this was the first time he had had anything brought against him. A fine of 1*l.* 1*s.* was imposed.

Formaldehyde Contract.—In the King's Bench Divisional Court on May 10, before Justices Bray and Bailhache, R. W. Greef & Co., Ltd., Queen Street Place, London, E.C., appealed against an umpire's award by which they were ordered to refund the purchase price of 1 ton of formaldehyde (40 per cent. solution) to the buyer, Mr. H. Bourgeois, Great St. Helen's, London. Mr. Russell Davies, for the appellants, said the contract concerned was dated May 17, 1920. Some time after the goods had been delivered the buyers complained that the goods were not in accordance with the contract. On the umpire's decision their complaint was upheld and the contract cancelled. The appellants now contended that the award was bad both in its subject-matter and in law, and that the jurisdiction of the umpire did not arise since there was no hearing before arbitrators. The Court dismissed the appeal, with costs.

Husband and Wife in Trade.—In the Mayor's and City of London Court, on May 10, Jackson Hartley & Jackson, Ltd., trading as the Great Eastern Paper Co., 120 Middlesex Street, E.C., sued Mr. Reginald Bird, 3 Nicholson Road, Addiscombe, Croydon, for 8*l.* 9*s.* 7*d.*, for grease-proof paper supplied to the London Chemical Co., of which he was said to be the proprietor. The case had been adjourned from April 12 (*C. & D.*, April 16, p. 38). When the case again came on, the wife did not appear. Plaintiffs asked for judgment against both. Judge Jackson said he could not do that. He did not think the husband was liable. A witness said that the husband offered 5*l.* to settle the account, but witness had no power to settle the matter. The husband then said, "If you press it further you will not get a damned farthing." Mr. Strouts (for defendants): "I am told they had had a fire and all has been burned up." Judgment was given for the plaintiffs against the wife only, with costs.

Loss on the High Seas.—In the Mayor's and City of London Court, on May 10, Mr. Sabetay Leon Flores, 40 Mincing Lane, E.C., sought to recover 39*l.* 0*s.* 11*d.* against the Capital and Counties Insurance Co., Ltd., 1 and 2 Gracechurch Street, under a policy of insurance dated June 13, 1919, upon goods lost per s.s. *City of Delhi*. The goods lost were 12 tons bicarbonate of soda (shortage and badly damaged by sea-water), 200 cases of cassia (shortage), and 319 bags of Japan ginger (shortage). Mr. Dick (for plaintiff) said when the s.s. *City of Delhi* arrived at Constantinople it was apparent that certain damage had occurred to the goods mentioned. There was sea damage and fresh-water damage, as well as shortage. The policy was issued in the name of George Sheldon & Co., insurance brokers in the City, and there was a clause to pay under the usual terms. A Lloyd's surveyor's report was taken at Constantinople, which he produced to the Court, and which would show the damage done. Mr. Clifford (for defendants) said the plaintiffs must prove the document. Defendants would not admit it. Judge Jackson did not see how the plaintiff could get on without the necessary evidence from Constantinople. At present the document was not evidence. Mr. Dick said in that event he must ask for an adjournment. The further hearing was then adjourned, costs being reserved.

Saccharin Smuggling.—At Weymouth, on May 6, Mr. Charles Edward Dodsley, chemist and druggist, 21 Mather Road, Birkenhead, was fined 25*l.* for smuggling 1 lb. of saccharin. Counsel for the Customs described the offence as a well-thought-out fraud. On Christmas Eve the mail from Jersey included a package addressed Dr. Macrae, 21 Mather Road, Birkenhead, and on the outside was the name of the consignee, Mrs. Le Brun, Poona Lane, Jersey, and the parcel bore the declaration that it contained fancy goods to the value of 4*s.* 6*d.* The suspicions of the Customs were aroused and the package was found to contain a 1-lb. tin of saccharin. The value of the saccharin in Jersey was 15*s.*, but in England there was a duty of 6*l.* 12*s.* The package was stopped, and intimation to the effect sent to the Liverpool address. Several days later the letter was returned marked "Not known." The Jersey address was fictitious. In a statement to the Customs defendant admitted that Macrae was the pen name of his son, and that letters so addressed had been accepted by him at his Liverpool address when he was in Jersey in the summer. Counsel for the defence pleaded that the villain of the piece was the son, and that defendant had been guilty of nothing more than a stupid act in returning the Customs letter marked "Not known." He was far removed from those people who were designated smugglers. Dodsley, who was formerly in business on his own account and is now an assistant with Clay & Abraham, Ltd., denied trafficking.

Bankruptcy Reports.

Re Wilkie & Leek (Thos. Wilkie and Samuel Joseph Leek), formerly of 1 Falcon Grove, Battersea, manufacturing chemists.—The failure of this firm occurred in June 1903 (*C. & D.*, II., 1903, pp. 89 and 304), and on April 26, 1921, the debtor Leek applied to Mr. Registrar Mellor at the London Bankruptcy Court, for an order of discharge. Mr. Walter Boyle, Official Receiver, reported the ranking liabilities 557*l.*, and the assets realised 114*l.*, from which a dividend of 2*s.* 9*d.* was paid on admitted proofs to the amount of 475*l.* The applicant, a Belgian subject, commenced business in 1902 at Falcon Grove, Battersea; in the following January the debtor Wilkie joined him in partnership, and two months later the business was removed to 35 Bedford Road, Clapham; the insurance company refused to accept fire risk of the new premises, which were destroyed by fire on May 21, 1903, stock to the value of 350*l.* being destroyed. The Sheriff had levied execution under a judgment a few days before the fire, and, as the result of interpleader proceedings, the Sheriff sold for 40*l.* the salvaged stock. There had been a loss on the trading, but the business was quite solvent before the fire, to which the failure was entirely attributed. The only offence alleged was the insufficiency of assets to equal 10*s.* in the £ on the amount of the liabilities, and his honour granted the discharge, subject to a suspension of one month.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

Beatson & Fraser, Ltd. (P.C.).—Capital, 2,000*l.* Objects: To carry on the business of chemists, druggists, drysalters, colourmen, etc. Mr. D. Beatson, M.B., C.M., is the first director. R.O.: 227 St. Vincent Street, Glasgow.

Ashlee, Ltd. (P.C.).—Capital, 1,000*l.* Objects: To carry on the business of wholesale and retail chemists, druggists, opticians, and seed merchants, oil and colour merchants, varnish salesmen, dealers in patent manures and mineral waters, cut glass, china, gold and silver ware, photographic apparatus, etc. The first directors are: J. Ashworth, Ash Bank, Riddings, near Alfreton; A. Lee, Rockmaye, Riddings, near Alfreton; and H. W. Daykin, 5 King Street, Alfreton. R.O.: Market Place, Riddings, Alfreton.

Kerol, Ltd. (P.C.).—Capital, 25,000*l.* Objects: To take over the business of makers of sheep and cattle dips, disinfectants, toilet and medicinal preparations carried on by Quibell Bros., Ltd., together with the right to use the trade-marks "Kerol," "Fumiform," "Novol," and "Quibell," and to enter into a deed of assignment and covenant with Quibell Brothers, Ltd. (vendors), O. Quibell, W. B. B. Quibell, E. H. Quibell, and T. H. Lloyd. Solicitor: C. F. Rowlands, 29 Bedford Row, London, W.C.

John Bell & Croyden, Ltd.—Capital, 150,000*l.* Objects: To take over the undertakings (1) of John Bell & Croyden, Ltd., dispensing, pharmaceutical, analytical and general chemists and druggists, of 50 Wigmore Street, W., and Kensal Road factories, Kensal Road, W. 11, and (2) of Langham Bros., Ltd., fine chemical and perfumery manufacturers, of Perivale Laboratories and Works, Perivale, W. 13, and to adopt an agreement with the said companies and S. Cole. The first directors are: Sir Sidney R. Alexander, Kt., M.D., J.P., Gatefield House, Faversham (chairman); J. D. Marshall, M.P.S., 50 Wigmore Street, W.; C. A. P. Langham, Perivale Works, W. 13; C. V. Faviell, 22 Billiter Street, E.C.; J. R. Wretts, 50 Wigmore Street, W.; and W. L. Langham, Perivale Works, W. 13. R.O.: 50 Wigmore Street, London, W.

Ayrton, Saunders & Co., Ltd.—Dividend warrants on the 7½ per cent. "A" preference shares were posted to shareholders on May 2.

Benger's Food, Ltd.—A proposal of the directors of Benger's Food to increase the capital to 500,000*l.* by the creation of 100,000 additional shares of 1*l.* each, ranking in all respects *pari passu* with existing shares, was to come before an extraordinary meeting of shareholders on May 12.

Brunner, Mond & Co., Ltd., is making an issue of 2,500,000 7½ per cent. cumulative 1*l.* preference shares at par, ranking with the existing preference shares of the same denomination both as regards capital and interest. The preference shares already issued amount to 1,500,000*l.*, so that the total, including the present issue, will be 4,000,000*l.* There are no debentures, and the ordinary capital amounts to 9,577,800*l.* The list was opened on May 9 and closed the same day.

Beecham's Pills.—The "Daily Mail" states that arrangements are in progress for the public flotation of the business with the issue at par of 1,100,000*l.* of "A" 10 per cent. first preference shares. The rest of the share capital comprises 300,000*l.* of second preference shares and 100,000 of 1*s.* deferred shares. It is to be laid down that no debentures can be issued without the consent of the preference shareholders. It is stated that the accounts of the business for the past sixty years show continuous expansion, and that the net profits for the past five years have averaged 200,000*l.* per annum.

John Bell & Croyden, Ltd.—The prospectus of this company, whose registration was foreshadowed in an advertisement in our last number, was issued on May 9. The well-known business of dispensing chemists carried on at 50 Wigmore Street, London, W., and founded in 1798, is being developed in new directions, such as the manufacture of blown glassware, the supply of radium, the hire of surgical appliances, and motor delivery of operating equipment. The business of Langham Bros., Ltd., Perivale, is being acquired. The response to the issue has, we are informed, been gratifying to the directors, who will forward letters of allotment on May 14. Any belated applications from chemists, marked "Profession," will be favourably considered should there still be shares available for allotment.

National Drug and Chemical Co. of Canada.—The report for the year ended January 31 shows a net profit of 45,300*l.*, compared with 50,100*l.* in the preceding period. Sales appear to have increased substantially during the year, the trade in specialities particularly showing material expansion, but expenses must also have risen considerably, and thus reduced the profit margin. The preference dividends are again duly met, and 4,100*l.* is once more written off preference issue expenses, but there is still no dividend for the ordinary capital. The carry-forward at 21,500*l.* is 4,000*l.* down. The first preference shares are redeemable by annual purchases, and the amount amortised last year was 14,100*l.*, compared with 12,900*l.* in the preceding period, making the total paid off to date 100,900*l.* and leaving 499,100*l.* still outstanding. The premises formerly used for manufacture having become too small, a new factory has been acquired in Montreal, which has been adapted to the company's needs and equipped entirely with modern plant. The directors look for a steady growth in trade and profits from this development.

Liggett's International.—The first report, covering 1920, of Liggett's International, which owns the Boots Pure Drug Co. and its associated enterprises, and is controlled by the United Drug Co. of America, has now reached this side (says the "Financial Times"), and some conception can at last be obtained of the earnings of the Boot concerns in this country. Liggett's has a holding in a number of Canadian enterprises also, but the bulk of its business is done by the Boot undertakings, as they are represented by 632 stores, compared with only thirty-nine in Canada. There are further 1,144 Rexall agencies in Great Britain, against 630 in the Dominion. The net sales amounted to $32,335,900, the trading profit to $12,686,300, and the net profit, after allowing for and including investment income, to $2,081,300. These figures embrace the receipts from the Boot establishments for only nine months, as they were acquired as from April 1. As the total results stand they indicate a net profit of 416,300*l.*, and the greater part of this must have been earned in this country. The last available evidence of Boot profits published here was for 1913-14, and the figures then given were in the neighbourhood of 230,000*l.*, when production costs and taxation were nothing like so burdensome as they have become since. The report of Liggett's International states that sales are now running at the rate of $45,000,000 per annum, and that profits have continued to increase even during the period of depression. The financial state of the various undertakings is asserted to have exceeded "our best expectations." The dividend is paid on the Eight per Cent. Cumulative Preferred stock, but there is no distribution on the "A" and "B" Common stocks. The substantial surplus of $981,100 is, however, carried forward. As regards the outlook, it is stated that computing revenue for the current year on the basis of 1920 income and taking reduced British taxes into account, approximately $20 per share net earnings is indicated for the "A" and "B" Common stocks. This is equal to 20 per cent. and means 280,000*l.* "We have not attempted to Americanise the Boots Co. business and do not intend to do so," the directors assert. "In January the Boots Co. held a 'sale' for two weeks by the latest merchandising methods. It was the first one they had ever attempted, but was so well managed that their business increased 58 per cent. over the corresponding period of 1920." The President speaks of the hope of effectively consolidating the two undertakings during the year. The combined sales will then total $125,000,000.

Pharmaceutical Society of Ireland.

Council-meeting.

The monthly meeting of the Council was held at 67 Lower Mount Street, Dublin, on April 12. Mr. J. E. Connor, J.P., President of the Society, occupied the chair. The following members of the Council were also present: Dr. J. A. Walsh, Dr. A. J. Barnes, Messrs. James Michie, Richard Blair, G. A. McLean Lee, A. Owen Wells, A. H. Oliphant, Charles E. Digges, H. Lancashire, J.P., Fred Storey, Victor E. Hanna, D. M. Watson, James Tate, John Smith, J. Carroll Culbert, and Wm. J. Hardy.

The President welcomed Mr. A. H. Oliphant, who had been co-opted a member of the Council, in the room of the late Dr. J. C. McWalter.

Mr. Oliphant expressed his thanks for the reception given to him.

Correspondence.

The Registrar (Mr. A. T. Ferrall) reported replies to resolutions of condolence from Mrs. McWalter and Mr. Frederick W. Moffitt, Belfast.

In reply to an invitation, the following were appointed delegates to the British Pharmaceutical Conference at Scarborough: The President, Dr. Walsh, Mr. Smith, Mr. Lee, and Mr. A. Owen Wells.

The Registrar submitted a letter from the Clerk of the Council, Dublin Castle, transmitting copies of Orders in Council approving of the appointment of Dr. C. W. Robinson, M.P.S.I., as an Examiner in Pharmacy, and Mr. John Burnett, M.P.S.I., as temporary Examiner in Pharmacy.

The Government of Ireland Act, 1920.

The Registrar submitted a letter from Mr. W. J. Stevenson, who, as secretary of a general meeting of pharmacists from the six counties constituting, according to the Government of Ireland Act, 1920, "Northern Ireland," wrote:

A general meeting of pharmacists from the six counties of Ulster met to consider the effect of the Government of Ireland Act on pharmacy. A representative Committee was appointed to take such steps as would be necessary to safeguard the interests of pharmaceutical chemists. At a recent meeting of this Committee (of which Mr. James Guiler is chairman) the following resolutions were passed:

1. That the Pharmaceutical Society of Ireland be requested to approach the Solicitor-General for Ireland with a view to obtaining a considered opinion as to the position of the Society under the Government of Ireland Act.

2. That Mr. J. A. Bingham, M.P.S.I., and Mr. M. McDonald, M.P.S.I., be appointed as a deputation to wait on the Council of the Society at the next monthly meeting on behalf of this Committee (*a*) to place the views of the Northern chemists before it, and (*b*) to request a definite statement as to the position of licentiates under the impending changes in the Irish Administration.

Messrs. Bingham and McDonald were received by the Council and both made statements.

Mr. Bingham stated that the deputation wished the Pharmaceutical Society to obtain information from the Solicitor-General as regards the position of licentiates under any change of administration that might take place. They wished to know whether the formation of a separate Council in the North of Ireland would be absolutely necessary or not. They had no definite information one way or another as to what their position would be.

The President said that the Law Officers of the Crown whom representatives of the Society interviewed in London could not give them any very definite information on any of these subjects. The Law Officers were pretty much at sea with regard to what would take place. Mr. Meeke (the Society's solicitor) said he had a long conversation with the Attorney-General with regard to the question of the status of pharmaceutical chemists in the North and also in the South—whether the two qualifications would be recognised all over the country, whether, if the North decided to separate from the South or the South from the North, there would be any law compelling them to have one qualification. The Attorney-General said he thought that there would be no change, but that he could not give an opinion or would not give a definite opinion on the matter.

Mr. Bingham: That was rather an unfortunate question, because it is not a matter of the North deciding to separate from the South. There is no wish of any description for a separation. It is only what is being forced upon us. There is absolutely no wish whatever to separate. Continuing, he said that in the South they were not troubled very much with the question of the registered druggists or the chemists and druggists. In the North the proportion of registered druggists and pharmaceutical chemists was about equal; and in the event of anything occurring to separate North and South they in the North would be placed in a very peculiar and difficult position. The question had been raised whether, if separation came, they could get their old charter adopted by the Northern Parliament as it stood. The position was most unsatisfactory to them in the North; and although the members of his Committee and himself personally would be sorry to be forced to take any action, they must protect themselves. The Council of the Pharmaceutical Society could not blame them if they got everything ship-shape so that they might be prepared to meet an emergency. At a meeting of their Committee a portion of a letter was read from a member of that Council stating that he understood that they in the North were seeking separation from the Pharmaceutical Society of Ireland. That was not an official letter from the Council.

The President: We could not deal with a private communication.

Mr. McDonald said he could not find anything in the Government of Ireland Act or in the debates in the House of Commons that would help them. If the two Parliaments would function—there seemed to be some doubt—and if the Council of Ireland were to come into existence there would be no difficulty, because the Council of Ireland would be the means of bringing the two Parliaments together and fusing them into one. Neither the Law Officers of the North, nor the officers of the Crown whom the Council of the Pharmaceutical Society had consulted, had told them what was to happen. Mr. Bingham and himself came to the meeting of the Council for guidance. They came there simply in the interests of their members in the North, to know what was going to be done, to know what the Council had done for them, and what the Council was going to do for them. Had their interests been looked after while this Bill was being considered? Looking over the reports of the debate in the House of Commons he could find no mention of the Pharmaceutical Society of Ireland. Mr. McDonald quoted and commented on a letter signed "Barrister-at-Law," published in The Chemist and Druggist of April 2. Concluding, he said they were looking to the Council of the Pharmaceutical Society of Ireland for guidance, and they felt that it rested with the Council to see that their licentiates in the North of Ireland were not left "in the air," or left in such a position that they did not know where they were.

The President said the Council had given this matter their earnest consideration. Their legal adviser Mr. Meeke and he had been in London before the Bill had become law, and they had tried their very best to get these matters cleared up, but, he regretted to say, they had not been very successful.

Mr. Watson said they had the word of the Attorney-General for it that as the Pharmaceutical Society of Ireland is an existing institution it would remain unless the Southern or the Northern Parliament asked to have it altered. He did not think that complaint should be made that the Council had taken no initiative. There was no necessity. It was only in the event of one Parliament or the other taking the initiative that any change was necessary. Could Mr. Bingham and Mr. McDonald suggest anything more that the Council could do than they had already done?

Mr. Lancashire said that automatically they in the North ceased to be in the Pharmaceutical Council when the Northern Parliament came into being. The deputation wanted something done so that they would not be in

the lurch. The Northern Parliament would not permit the Southern Parliament to interfere with the legislation for the Northern Counties. At the meeting in Belfast they were unanimously of opinion that they would like to remain at one with their brethren of the South and West, if at all possible, but it would be absolutely necessary for them in the six counties to put their house in order and not leave anything to chance. They would regret if anything should happen to create two separate Pharmaceutical Societies in Ireland. Ireland was too small for that. He hoped that whatever the outcome might be they would be able to carry on as one body, and that the Pharmaceutical Society of Ireland would be able to hand down to those who came after them their profession undivided.

Mr. Storey said there was no reason why the Southern and the Northern Parliaments should not come to some arrangement.

The Registrar read extracts from a report from the law adviser, Mr. Meeke, solicitor, as to the President's and his visit to London last November.

Mr. McDonald said he hoped those present did not take anything he had said as a condemnation of the Council. He thought it was a pity that a public service such as theirs should be relegated to a position of obscurity for reasons of political expediency. The amendments which the Council had proposed and had endeavoured to get carried had been relegated to the background, because they might have interfered with the partition of the country. They should put the onus on the Law Officers of the Crown, of giving an interpretation of the Act in the House of Commons. He would suggest that a question should be asked of the Attorney-General as to what would be the position of their body in the North and in the South.

The President said this matter had not been neglected. A great many things—in fact most of the work of the Society—had to be done in Committee. If the pharmacists of the North had not been informed of what had been done he was afraid their representatives, of whom he claimed to be one, had not been as communicative as they should have been.

Messrs. Bingham and McDonald then withdrew.

Co-option of a Member.

The Registrar submitted a letter from Mr. W. J. Stevenson, secretary of the Ulster Retail Drug Trade Association, stating that at the annual meeting of that body it had been suggested that the name of Mr. Samuel Suffern, associate druggist, should be considered in connection with the co-option of a member on the Council of the Pharmaceutical Society in place of the late Mr. T. N. Moffitt, and conveying the suggestion for the sympathetic consideration of the Council.

Mr. Storey proposed the co-option of Mr. Suffern, and expressed the hope that his co-option would be unanimous.

Mr. Culbert seconded.

Mr. Michie said that when a pharmaceutical chemist died it had been the usual practice to co-opt a pharmaceutical chemist in his place, and a similar course was usually adopted in the event of the death of an associate druggist. He had no personal objection to Mr. Suffern, but, as a matter of principle, he would like that the Council should co-opt a pharmaceutical chemist.

Mr. Lancashire supported the co-option of Mr. Suffern.

Mr. Tate said it was rather an unusual course to co-opt one of a different qualification from that of a lately deceased member. But they were working at present in difficult times, and he for one would readily consent to the nomination of Mr. Suffern.

Mr. Suffern was co-opted *nem. con.*

Dangerous Drugs Draft Regulations.

The Registrar submitted a report from the Society's legal advisers as to what was being done in reference to the Dangerous Drugs Draft Regulations.

Deaths.

The Registrar reported the deaths of Mr. Wm. P. Kendy, Ph.C., Mr. J. P. Parke, Ph.C., Mr. T. Coulter, M.D., and Mr. M. Garvey, R.D.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C. 4."

Report on the April Analytical Exercise.

The powder distributed to students on April 12 contained seven parts by weight of potassium sulphate, two parts of potassium nitrate, and one part of potassium chlorate. The calculated composition of such a mixture is :

K	42.4
SO_4	38.6
NO_3	12.2
ClO_3	6.8
	100.0

The powder also contained, as impurities, a small proportion of magnesium and a trace of a chloride. Samples of the powder were distributed to seventy-three students, and thirty-four reports were submitted in response. All who sent in reports were successful in detecting potassium. The failures in the detection of the acidic radicals were : Sulphuric, 1; nitric, 7; chloric, 7. Although none of the salts employed in preparing the mixture contained water of crystallisation, the powder yielded hygroscopic moisture when heated in a dry tube, and this was plainly visible as a deposit on the cool upper part of the tube when the heating was carefully carried out. Sixteen students failed to note this evolution of water, however, and the magnesium and the trace of a chloride escaped detection by nine and by eighteen students respectively.

The exercise having proved less difficult than its immediate predecessor, the proportion of marks attained is in most cases considerably higher than in the March competition. In the majority of cases, indeed, the detection of the main constituents presented no difficulty, consequently differentiation among the reports depended chiefly upon the amount of detail regarding the preliminary examination, the accuracy of statement concerning the reactions observed in the systematic testing for both metallic and acidic radicals, and the success or failure in the recognition of the substances present as impurities.

In view of the ready solubility of the powder in water and of the comparative simplicity of the analysis, the list of constituents reported which were not actually present is not a little remarkable. Thus the metallic radicals so reported included tin, iron, aluminium, chromium, manganese, barium, calcium, and ammonium, and the acidic radicals comprised carbonic, phosphoric, arsenic, and hydrofluoric, while the hydrochloric radical was returned in various instances as a main constituent. How the majority of these came to be regarded as constituents it is not easy to understand, but tin and an arsenate were probably suspected on account of the yellowish precipitate of sulphur (due to the oxidising action of the nitric- and chloric-acid radicals) which was formed when hydrogen sulphide was passed through a hot acidified solution of the powder, and conclusions respecting these may have been arrived at without any confirmatory evidence having been obtained. The iron, calcium, and additional chloride may have found entrance, during the course of the analyses, in impure reagents, or in tap water, or in both. That many conclusions are based on slender, and often on wholly insufficient evidence, seems tolerably clear.

Prizes.

The first prize for the best analysis has been awarded to :

James N. Grimshaw, 48 High Street, Rishton, Lancs.

The second prize has been awarded to :

R. J. Dunne, Albert Cottage, Dixon Green, Farnworth, near Bolton.

First Prize.—Any scientific book that is published at a price not greatly exceeding fifteen shillings may be taken as a first prize.

Second Prize.—Any scientific book which is sold for about seven shillings and sixpence may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the Publisher naming the book or books they select.

MARKS AWARDED FOR ANALYSES.

1. *Correspondents who are unqualified:*

J. N. Grimshaw (1st prize)	97	Kainite	89
R. J. Dunne (2nd prize)	96	Richard Terpene	88
Kipp	95	Pattison	87
Brogni	94	Boron	83
Essayeur	94	E.R.y.i.y.	74
Emulsin	93	Dud	72
Gor-Gor	93	K.T.	72
Nomen	93	Cocaine	71
Protoxylem	93	Delta	70
Rossendale	93	Jason	70
Scopolamine	92	Eyelashes	69
Acutus	91	Floramye	67
Caglio	91	Experiment	65
Centigrade	91	Napoleon	60
Cishar	91	Alpha	42
Xenon	91	Thyroid	41

2. *Correspondents who are qualified:*

Silicula	**93**	Hibiscus	71

TO CORRESPONDENTS.

R. J. DUNNE.—The salt produced in the final stage of the salicylic and sulphuric acid test for nitrate is yellow—not brown. Although the proportion of chlorate was small, it was much more than a trace.

KIPP.—Keep a careful watch for traces. Your position on the list would have been different if you had detected and reported the trace of a chloride.

BROGNI.—A very careful test for calcium in a considerable quantity of the mixture failed to give a positive indication, and we conclude that the trace you detected was introduced in tap water. In any doubtful case, use distilled water throughout.

ESSAYEUR.—Thanks for your appreciation. We note with satisfaction the good work which has proceeded from a Lancashire group during the winter, and we hope to have further communications from some, at least, of the members on future occasions. Read the reply to "Kipp" above.

NOMEN.—Read the first sentence of the first reply above.

SCOPOLAMINE.—Unless the volume of the solution to be tested for magnesium was kept very small, it was necessary to wait for some time in order to recognise the formation of the precipitate of ammonium magnesium phosphate.

ACUTUS.—The iron which you detected may have been introduced as an impurity in some reagent. The powder did not contain traces of iron capable of being recognised in a small portion by the ordinary tests.

CENTIGRADE.—Careful tests for ammonium did not confirm your result. Read the replies to "Brogni" and "Acutus."

CISHAR.—Carbonate was not present even in traces.

BORON.—What the heavy white barium-group precipitate can have been is not easy to understand. Some serious error has occurred, however, as you found the powder to dissolve in water, while you include barium and the sulphuric-acid radical among its main constituents.

E.R.Y.I.Y. and DELTA.—The test for manganese by means of lead peroxide and nitric acid gave a negative result. Examine your lead peroxide, in a blank test, for traces of manganese—a not infrequent impurity in it.

DUD.—The presence of a chlorate does not necessitate the omission of tests on charcoal, the mild deflagration which occurs on the small scale not being likely to interfere seriously with other reactions.

K.T.—The heating process to which you submitted the powder prior to dissolving it and testing the solution with silver nitrate would not *oxidise* any of its constituents, but would *reduce* the chlorate to chloride and the nitrate, in part at least, to nitrite.

JASON.—When the quantity of material at disposal is very limited, it is inadvisable to reject the portion of the original solution which has failed to yield a precipitate with hydrochloric acid and hydrogen sulphide, and to take a fresh portion for the later operations of the systematic examination for metals. The necessity for economising material usually forbids that extravagance.

EYELASHES.—You report "no gas given off" when the powder was heated in a dry tube; others reported oxygen and also noted the evolution of water vapour. Note that the test for magnesium by means of sodium phosphate is not made more rapid or delicate by warming, since ammonium magnesium phosphate is distinctly more soluble in hot than in cold solutions.

FLORAMYE.—By a slip, you refer to heating a solution with nitric acid in order to change ferric salts into ferrous. The test for a nitrate by heating with copper and sulphuric acid is not a very delicate one. You might have employed the test with salicylic and sulphuric acids.

NAPOLEON.—The precipitate which led you to suspect the presence of arsenic consisted of sulphur, liberated from hydrogen sulphide by the oxidising action of the nitrate and the chlorate in acid solution. Your failure to get any indication of a chloride in the residue left on heating the powder would appear to indicate that the temperature had not been sufficiently high to decompose the chlorate.

ALPHA.—Study the general remarks and read the replies to other correspondents, in which you will find various references to matters regarding which you have made mistakes.

THYROID.—Your mode of applying the ferrous sulphate and sulphuric-acid test for a nitrate was far from delicate. Carry out the test as described in standard analytical textbooks. Failure to detect the sulphuric-acid radical (present to the extent of almost 40 per cent.) indicates want of delicacy in testing for it also.

THE ANALYTICAL TOURNAMENT.

At the beginning of the Winter Session we offered prizes of books to the value of three guineas, one and a-half guineas, and fifteen shillings, with certificates of honour, to the students who took first, second, and third places, respectively, in the aggregate marks for their reports on the whole of the six exercises set from November 1920 to April 1921 inclusive. The competition, which concludes with the exercise reported upon in the foregoing, has been taken part in by ninety-seven students and has been keenly contested from the outset. In the end the position of the winner of the first prize is quite distinctive, but the students who come second and third on the list are by no means sharply differentiated, while among the other competitors, who are not prize-winners, but whose aggregates amount to 500 or over, there are several ties.

The first place has been taken by "Salicula" (Mr. H. S. Hibbins, 1 Gertrude Road, West Bridgford, Nottingham), whose aggregate, out of a possible 600, is 533, made up of 97, 84, 82, 95, 82, and 93, and to him the first prize of books to the value of 3*l.* 3*s.*, with a certificate, has been awarded.

The second place and a prize of books to the value of 1*l.* 11*s.* 6*d.*, with a certificate, have been taken by "Xenon" (Mr. J. E. Harwood, 11 Albert Road, Sowerby Bridge, Yorks) with an aggregate of 515, made up of 94, 85, 81, 93, 71, and 91.

Closely following "Xenon" comes "Neon" (Mr. R. J. Dunne, Albert Cottage, Dixon Green, Farnworth, near Bolton), who wins the third prize of books to the value of 15*s.*, with a certificate, his aggregate being 514, made up of 91, 78, 92, 86, 71, and 96.

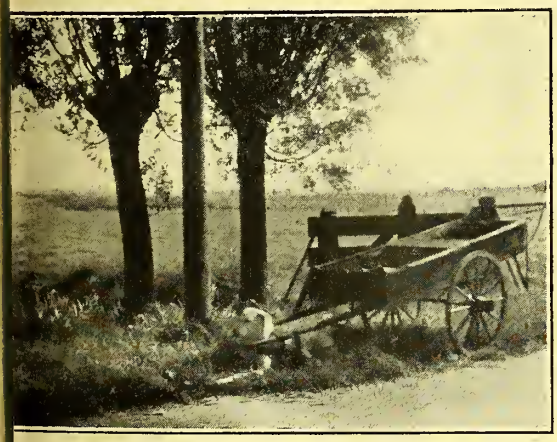
We congratulate these prize-winners on their success, and invite them to write at once to the Publisher informing him as to the books they desire to have as prizes. We have to thank the other students, whose efforts have contributed materially to the success of the tournament, and we venture to express the hope that several of them who nearly reached the prize-list may be found in a corresponding list on a future occasion.

Drug-growing in Holland.

The drugs collected in Holland are mostly cultivated for that purpose in one of the few centres where drug-culti-

Herb Collector's Cottage at Loosdrecht.

vation is carried on—for example, in Noordwijk or den Dolder, or on the island of Walcheren. As to the gathering of wild-growing drugs, as a business this is limited to a few families in Loosdrecht, a centre of lakes and small streams. In Gelderland ergot of rye and corn-poppies are collected occasionally. Early in spring the Loosdrecht herbalist gathers the leaves of *Menyanthes trifoliata*, and these are dried on sacks or sand on his own ground or along the side of the road. Quite a large

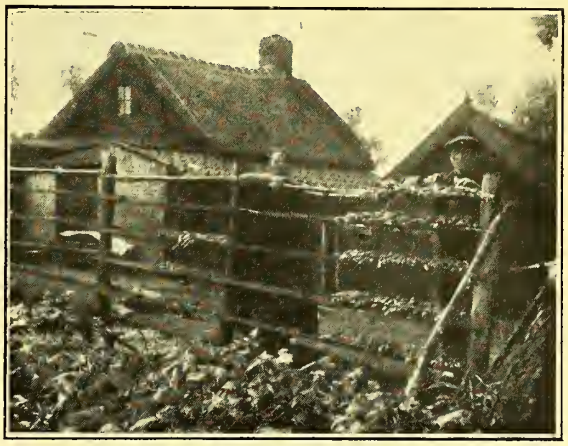


Dog-cart Used to Convey Sweet-flag Rhizome.

number of medicinal herbs are collected in Loosdrecht, though the quantities are relatively small. They are the following:

Acorus calamus (rhizoma)
Æsculus hippocastanum (fruit)
Alnus glutinosa (leaves)
Artemisia absinthium
Betula alba (stems)
Fraxinus excelsior (leaves)
Levisticium officinale (seed)
Mentha aquatica (leaves)
Mentha arvensis (leaves)
Menyanthes trifoliata (leaves)
Mespilus germanica (fruit)
Enanthe phellandrium (seed)
Persica vulgaris (stems)
Plantago (various species: leaves)
Quercus (various species: leaves and bark)
Ribes nigrum (leaves)
Rubus fructicosus (leaves)
Salix alba (leaves and bark)
Sambucus nigra (leaves, flowers, and berries)
Solanum dulcamara (stems)
Syringa vulgaris (leaves)
Urtica (various species: leaves)
Valeriana officinalis (root)

The sweet-flag rhizome especially is of much importance as material for the preparation of liqueurs and like and for pharmaceutical purposes. In search of sweet-flag rhizome the Loosdrecht herbalist goes as far as Naarden, Woerden, Weesp, Muiden, Diemen, and Abionde (in the neighbourhood of Amsterdam) with his



Drying Sweet-flag Rhizome.

rowing-boat as a means of conveyance. Only the foremost part of the rhizome is collected, the part that is left furnishing the rhizome for the following year. There is no fear, therefore, that the sweet flag will ever be exterminated in Loosdrecht. The rhizome is kept wet in the lakes in the neighbourhood of the herbalist's home until he is ready to scrape it. After scraping, the rhizome is dried on racks, on sand, or even along the roadside. The dried rhizome is packed in bales and conveyed to Amsterdam. The total quantity sold per year amounts to from 3,000 to 10,000 kilos. As a side-line *Typha*

Gathering "Typha Latifolia" Fluff.

latifolia is collected, the fluff or plush of which is used as a sort of cotton. *Artemisia absinthium* is generally collected for personal use. Mixed with trefoil and sweet-flag rhizome, it is used as a panacea against all sorts of diseases.

Births.

Daley.—At 100 Raby Street, Newcastle-on-Tyne, on May 3, the wife of Arthur H. Daley, M.P.S., Washington Station, Durham, of a son.

Kebbell.—At 130 Cranbrook Road, Ilford, on May 9, the wife of C. G. Kebbell, M.P.S., of a daughter.

Marriages.

Anderson—Hamilton.—On April 29, William Frederick Anderson, chemist and druggist, Galashiels, to Helen Pearson Hamilton, eldest daughter of Mr. Andrew Hamilton, 6 Loudoun Street, Mauchline.

Michie—Elliot.—At Edinburgh, on April 29, David Christie Michie, chemist and druggist, Hawick, to Mary Black Elliot.

Deaths.

Andrews.—At 7 Gore Park Avenue, Eastbourne, on April 27, Mr. John Frow Andrews, chemist and druggist, aged eighty-three.

Bryant.—At 46 Tenison Road, Cambridge, on May 7, Mr. Joseph Beaumont Bryant, chemist and druggist, aged seventy. Mr. Bryant was in business before August 1, 1868. He served on the local Committee when the British Pharmaceutical Conference met at Cambridge in 1910.

Bushby.—At his residence, 116 Slade Lane, Levenshulme, Manchester, on May 7, after a long and painful illness, Mr. George Frederick Bushby, chemist and druggist, 141 Stockport Road, aged fifty-two. Mr. Bushby was one of the founders of the United Chemists' Association, Ltd., of which at one time he was also a director.

Dorman.—At 1 George Street, Stranraer, on April 28, Mr. James Dorman, chemist and druggist. Mr. Dorman was in business before August 1, 1868.

Hare.—At 36 Liverpool Road, Birkdale, Southport, on May 4, after a brief illness, Mr. Charles Hare, chemist and druggist, aged forty-four. Mr. Hare was born in a village at the foot of Hambleton Hills, Yorkshire, where his father carried on business as a farmer and miller. He was educated at Thirsk Grammar School, and served a five years' apprenticeship in the town to his uncle, Mr. W. Foggitt. After gaining further experience and qualifying at Edinburgh, he came to Southport as assistant to his cousin, Mr. J. B. Foggitt, Ph.C. In 1900 he took over the business of the late Mr. Benjamin Wyles, which he successfully developed on the wholesale and retail sides alike. Mr. Hare was a Fellow of the Spectacle Makers' Company, and an active member of the Southport Pharmacists' Association, in which he served terms of office as President and treasurer. He leaves a widow and two children, for whom deep sympathy is felt by a large circle of friends and acquaintances. The funeral took place at Southport Cemetery on May 7, when among those present, in addition to representatives of the Rose of Lancaster Lodge of Freemasons, the local Conservative Association and the Birkdale Conservative Club, were the following: Mr. A. H. Messenger (President of the Southport Pharmacists' Association); Mr. W. H. Kendrew (treasurer of the Association); Mr. W. H. Smith (secretary of the Association); Mr. W. H. Clubb, Ph.C. (President of the Liverpool Chemists' Association); Mr. L. Moreton Parry (member of the Pharmaceutical Society's Council); Mr. W. H. Saunders (chairman of Ayrton, Saunders & Co., Ltd.); Mr. F. Naylor (S. Maw, Son & Sons, Ltd.); and Messrs. Harold Barton, C. Chester, M. B. Harvey, W. E. Prescott, S. Ratcliffe, J. Righton, R. H. West, and R. Wilson.

Harries.—At 44 Dewsland Park, Newport, Monmouthshire, on May 8, Mr. Benson Harries, chemist and druggist (Benson Harries, Ltd., chemists, 84 Commercial Road), aged fifty-two. Mr. Harries was born at Llandilo in the year of the passing of the Pharmacy Act, and had another link with the vocation that he chose in the fact that an uncle was manager of a Paris pharmacy during the Franco-German war. Mr. Harries served his apprenticeship to Mr. Wesley Jones, chemist and dentist, Llanelly, and enlarged his experience by holding situations in Manchester, Bournemouth, and London. With a view to undertaking missionary work he commenced the study of medicine, but a severe attack of influenza disclosed the fact that his health was not very robust. While studying under Mr. Ellwood, Ph.C., he filled a post as representative to Idris & Co., Ltd. Qualifying in 1895 after a further course of study at the Royal Dispensary, Edinburgh, he returned to Messrs. Idris for a time, and in 1896 commenced business on his own account at Newport, subsequently removing to larger premises adjoining, which gave better scope for his dental and optical departments. The activities of Mr. Harries were by no means confined to his pharmacy. He was a prime mover in the promotion of earlier closing, and on the formation of the Newport Chemists' Association he became its secretary. Election as President followed in due course, and his services to pharmacy were fittingly recognised in 1919 by his appointment as President of the South Wales and Monmouthshire Federation of Pharmaceutical Associations. Mr. Harries had since 1912 been secretary of the Chemists' Dental Society, on behalf of which he gave evidence before the Departmental Committee on Dentistry in 1918. During the war he was actively engaged in recruiting and other forms of national service, and at its close he sat as a member of an Interviewing Board of the Ministry of Labour. For some time past he had been a member of the committee of the local chamber of trade. In private life Mr. Harries was widely known and respected as a Baptist deacon and a lifelong total abstainer. He leaves a widow and a daughter, with whom deep sympathy is felt in their loss. The funeral took place at Newport Cemetery on May 10, in the presence of a large gathering. Among those present were: Mr. J. W. Roberts (London), President of, and the bearer of a wreath from, the Chemists' Dental Society; Mr. J. Menhinick, President of the Newport Chemists' Association; Messrs. George Shelley (vice-president), J. Edwards (secretary), and T. J. Badgett (past-President, who also represented the South Wales Federation); and representatives of various public bodies with which Mr. Harries had been associated.

Mr. Benson Harries.

Poad.—At Whitlisburn, West Looe, on April 25, Mr. John Poad, chemist and druggist, aged seventy-four. Mr. Poad was in business before August 1, 1868.

Pollard.—At Wakefield, recently, Mr. William Pollard, retired chemist and druggist, aged seventy-one. Mr. Pollard commenced business a good many years ago in succession to Mr. J. H. Wice. He had been President of the West Parade Cricket Club and a member of the Wakefield city education committee.

Wild.—At his residence, "Merlewood," Park Lane, Macclesfield, on May 4, Mr. Sydney Wild, Ph.C., 76 Mill Street, aged forty-five. Mr. Wild was a native of New Mills, Derbyshire, where he served his apprenticeship to the late Mr. J. W. W. Brayne. On the completion of a course of study at the Northern College, Manchester, he passed the Minor examination in July 1897, and the Major

in the following January. After a brief experience as manager to Alderman A. Simpson, Stalybridge, he purchased the business of Mr. Francis Hill, Macclesfield, and developed it considerably during his proprietorship. For several years Mr. Wild was secretary of the Macclesfield, Congleton and District Pharmacists' Association. He was also a member of the Cheshire Pharmaceutical Committee, secretary of the Cheshire Chess Association, and a member of the executive of the Macclesfield Traders' Association. He occupied the position of J.D. in the Whiston Lodge of Freemasons, and was a prominent member of Park Green Congregational Church. Mr. Wild was unmarried, and, since the death of his mother about twelve months ago, had been in failing health. In every walk of life his conscientiousness and sterling judgment were greatly valued. The interment took place in the family vault at New Mills, among those present being Mr. C. Dean (Bury), Mr. J. Robinson (Marple), and Messrs. Ernest Brian and J. Hodkinson (representing the Macclesfield Pharmacists' Association).

HORLICK.—At his London residence, 2 Carlton House Terrace, London, S.W. 1, on May 7, Sir James Horlick, Bt., D.L., J.P. (Horlick's Malted Milk Co., Slough), Cowley Manor, Gloucestershire, aged seventy-seven. Sir James Horlick was the founder and President of the well-known company bearing his name, a business organisation possessing factories in England, Canada, and the United States, and extending into practically every country in the world. He was High Sheriff of Gloucestershire in 1902, and was created a baronet in 1914: he was also lord of the manor of Cowley, where he was active in promoting agricultural interests. Last year Sir James and Lady Horlick defrayed the cost of rebuilding the organ in Gloucester Cathedral as a memorial to the youngest of their three sons, Major G. N. Horlick, Gloucestershire Yeomanry, who died on active service in 1918. The eldest son, Captain Ernest Burford Horlick, R.F.C. (Special Reserve), succeeds to the title. The other surviving son is Lieutenant-Colonel J. N. Horlick.

SIR JAMES HORLICK, BT.

WOOD.—On May 4, Mr. John Beaumont Wood, chemist and druggist, Bridge Street, Lockwood, Huddersfield, aged fifty-six. Mr. Wood had been President and secretary of the Huddersfield Chemists' Association, and had also represented the Lockwood Ward on the Huddersfield borough council from 1912 to 1919. To his business, which was previously carried on by the late Mr. Herbert Buckley, he successfully added an optical department. Mr. Wood was well known locally as a member of the Huddersfield Lodge of Freemasons, No. 290. He leaves a widow and family.

Personalities.

SIR RICHARD COOPER, BT., M.P., has completed a business tour of South America, and is expected to arrive in England on May 18.

MR. H. F. COOK, J.P., chemist and druggist, Cambridge, has been elected chairman of the Cambridge and County Liberal Club.

MR. W. J. UGLOW WOOLCOCK, C.B.E., M.P., Ph.C., has been appointed Parliamentary private secretary (unpaid) to Mr. F. G. Kellaway, M.P., Postmaster-General.

MR. DAVID A. EVANS, chemist and druggist (Steele & Marsh), Milsom Street, Bath, has been elected a governor of King Edward VI. Grammar School at Bath.

MR. FRED W. BIGGS, chemist and druggist, Stourbridge, who has been a member of the local board of guardians for nearly twenty-seven years, has been re-elected chairman of the assessment committee of the union.

MR. J. W. DANSIE has joined the representative staff of Morny Frères, Ltd., 201 Regent Street and 6 New Burlington Street, London, W. 1, and will shortly be calling upon chemists in Great Britain with a full range of the Morny perfumery products.

MR. J. E. SEARS, JUN., has been appointed deputy warden of the Standards in succession to Major P. A. MacMahon, retired. Mr. Sears is superintendent of the metrology department of the National Physical Laboratory, which post he will continue to hold.

IN THE EARLY HOURS of May 11, Mr. A. W. Temple, chemist and druggist, 1 Churton Street, London, S.W. 1, was attacked in his bedroom by unknown assailants, supposed to be burglars, and was seriously injured. Mr. Temple, who is about sixty years of age, had to be removed to Westminster Hospital, where he is still detained.

SIR ERNEST RUTHERFORD, F.R.S., Cavendish professor of experimental physics in the University of Cambridge, has been elected professor of natural philosophy at the Royal Institution, London, in succession to Sir Joseph Thomson, O.M., who has been elected honorary professor of natural philosophy in succession to the late Lord Rayleigh.

MR. PERCY BARRS, F.C.S., chemist and druggist (managing director of the Western Tablet Co., Ltd., London, W. 8), was invested with the collar of Principal Sojourner at the consecration of the Earl Roberts Chapter, No. 3151, which took place on May 7 at the Holborn Restaurant, London, W.C. Mr. Barrs now holds this office in three Royal Arch Chapters.

MR. J. W. ROBERTS, 10 Tavistock Place, London, W.C. 1, President of the Chemists' Dental Society, has had the unusual experience of an all-night motor journey. Mr. Roberts learned of the death of the late Mr. Benson Harries (see p. 44) on the day before that fixed for the funeral, and was obliged, on account of the uncertainty of railway travelling, to go by road. Mr. Roberts tells us that Mr. Harries passed away convinced that the C.D.S. would achieve due recognition.

THE employees of Philadelphus Jeyes & Co., Ltd., manufacturing chemists, Northampton, were entertained at Grendon, on May 5, by Mrs. A. Jeyes and Mr. J. T. P. Jeyes, chemist and druggist, when, on behalf of the staff, Mr. H. Rolfe, chemist and druggist, the manager, presented Mr. Jeyes with a set of gold studs and links in commemoration of his success in the recent Qualifying examination. Mr. Rolfe mentioned that the company was probably the oldest in Northampton, having been established 111 years ago.

MR. W. B. FALDING, chemist and druggist, South Kensington, London, S.W., while out motoring on May 10 met with a curious accident, which he describes as follows: "Yesterday I bought a new 8-h.p. two seater Rover, and was having my first lesson. . . . I must have put on the accelerator too suddenly, for we mounted the pavement in front of 59 Prince Consort Road. Unable to stop, the car dropped into the basement, and both the mechanic and I were shot clean through the plate-glass window of a lady's bedroom. It was a very embarrassing position, but unfortunately it could not be helped, and we got out of it as well as we could with apologies." Neither occupant of the car received injuries of a serious nature.

Business Changes.

W. J. BUSH & Co., INC., manufacturing chemists and perfumers, have removed their general offices from 100 William Street to 370 Seventh Avenue, New York.

THE Preemo Concentré & Essential Oil Co., 65 High Holborn, London, W.C. 1, have removed their Paris offices and warehouses to 208 Rue St. Denis, and have acquired a factory at Courbevoie (Seine).

Trade Notes.

Tabloid Price-changes.—The advertisement in this issue of Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C., gives the changes in price during April of the tabloid products.

Whitsuntide Holidays.—S. Maw, Son & Sons, Ltd., 7-12 Aldersgate Street, London, E.C. 1, inform us that their premises will be closed from Friday evening, May 13, till the following Tuesday morning.

Santrocyl Capsules.—John W. Mawson & Co., Ltd., 142 Norwood Road, West Norwood, London, S.E. 27, have recently revised the prices of Santrocyl capsules. The capsules, which are packed in boxes of thirty-six, contain a combination of salicyl and santalol, which is claimed to possess advantages over sandalwood oil alone.

"The Ivory Castle" is the title of a fairy-booklet for children, dealing in an original and interesting manner with the formation, structure, and preservation of the teeth, issued by D. & W. Gibbs, Ltd., Cold Cream Soap Works, London, E. 1. The booklet is nicely printed, and a capital advertisement for the Gibbs' products. It is supplied to chemists for distribution to the public.

Silver-coating is one of the finishes for pills and tablets in which Arthur H. Cox & Co., Ltd., manufacturing chemists, Brighton, specialise. Samples we have seen of the silvering are perfect, and show that all difficulties of carrying out this finish on a commercial scale have been overcome. The Marienbad anti-obesity tablets are sent out silvered, and, packed in blue-lined boxes, form an attractive medicament. Chemists with special formulas for pills or tablets will give the preparations a character by ordering them silvered.

Pears' Glycerin Soap.—This is not a new product of A. & F. Pears, Ltd., 71-75 New Oxford Street, London, W.C. 1, but, although it has been sold for years, its popularity has been overshadowed by Pears' soap. The glycerin soap is transparent, and is especially suited for tender skins and for use on babies, owing to the fact that the proportion of glycerin retained by the soap is larger than usual. Messrs. Pears are preparing to advertise this soap, and are making a special offer to chemists, who are asked to send a postcard request for particulars.

Window Stands.—In the advertisement in this issue of Thos. Christy & Co., 4-12 Old Swan Lane, London, E.C. 4, are illustrations of the new pedestal window stands for which the firm are agents. The stands are in appearance exactly like oak—three varieties being supplied—and are made to fold up for convenience of packing. As will be seen, the prices at which the stands are sold are very reasonable, and the specification of a special 20*s.* set is given, which is worth attention. The demand at present is large, but orders will be executed in rotation.

A New Photographic Developer.—The Cooper Laboratory, Watford, manufacturers of fine chemicals, are placing on the market a new photographic developer, which has been discovered in the company's research laboratory. The developer—a golden-coloured liquid—is known as "D 50," and it forms the chief ingredient in the solutions. The standard formula is as follows:

A		B	
"D 50" ...	½ oz.	Sodium sulphite ...	400 grs.
Water to make ...	10 oz.	Sodium carbonate	250 grs.
		Potassium bromide	5 grs.
		Water to make ...	10 oz.

For use, mix equal parts of A and B.

Among the advantages claimed for this developer are its concentration, superior keeping properties, and cheapness. One special feature is that it can be used over and over again until exhausted. The developer has been tested for some time by Mr. John H. Gear, F.R.P.S., and he recommends it as the most economical preparation for all purposes. Photographic chemists will be particularly interested in this new developer, which is put up in 2-oz., 4-oz., and 8-oz. bottles, retailing at 2*s.* 6*d.*, 4*s.*, and 6*s.* 6*d.* each. Free samples are supplied for testing purposes.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1921, p. 300.

(From "The Trade-marks Journal," April 20, 1921.)

"Bitulax"; for all goods (1). By Bitulac, Ltd., 17 Sandhills, Newcastle-on-Tyne. 406,303. (Associated.)

"Carburna"; for a chemical for removing carbon deposit (1). By H. H. Cuthbert, 3 Station Parade, Shortlands, Kent. 410,846.

"Vigoroso Tonic Wine"; for a medicated port wine (3). By E. Young & Co., Ltd., 11 Seel Street, Liverpool. 401,032. (Associated.)

"Maltoline"; for malt extract preparations (3). By the Maltine Manufacturing Co., Ltd., 183 Acton Vale, London, W. 3. 408,878. (Associated.)

"Staminoids"; for medicinal chemicals (3). By Guy's Tonic, Ltd., 272 South Lambeth Road, London, S.W. 8. 409,865.

"Solarson Brand"; for medicinal chemicals (3). By F. Bayer & Co., Leverkusen, nr. Cologne, Germany. 410,242.

"Renaleptine"; for all goods (3). By Les Etablissements Poulenc Frères, 92 Rue Vieille-du-Temple, Paris. 410,592.

"Sanarsan"; for medicinal chemicals (3). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 411,117.

"Euvalene"; for a medicinal inhaler (3). By C. A. Cocks, 43 Gloucester Gardens, London, W. 2. 411,228.

"Bi-Nesia"; for medicinal chemicals (3). By M. F. Pratt, 7 Wybert Street, Munster Square, London, N.W. 1. 411,590.

"Argirina"; for a pharmaceutical preparation (3). By L'Euterapica and S. Manis, 16 Via Botero, Turin, Italy. 411,774.

"Animasa"; for a tablet remedy for calcination of the arteries (3). By W. Suter & Co., 12 Edmund Place, Aldersgate Street, London, E.C. 1. 412,644.

Picture of man sneezing; for medicinal chemicals (3). By Southall Bros. & Barclay, Ltd., 19-21 Lower Priory, Birmingham. 412,780.

"Crinair" and "Kalevala"; for perfumery, etc. (48). By Cuxson, Gerrard & Co., Ltd., 26 Fountain Lane, Oldbury, Worcestershire. 412,890/891.

(From "The Trade-marks Journal," April 27, 1921.)

"Syncela" and "Celanese"; for chemicals (1) and for goods (50). By British Cellulose and Chemical Manufacturing Co., Ltd., 8 Waterloo Place, London, S.W. 1. 410,332/334; 411,817/818. (Associated.)

"John Coleman"; for veterinary and sanitary chemicals (2). By J. F. Coleman, 44 Newington Causeway, London, S.E. 1. 402,945. (Associated.)

"Lenitos"; for medicated skin preparations (3). By J. A. von Wülfing, 231 Friedrichstrasse, Berlin. 361,073. (Associated.)

"Zenoids"; for medicated digestive tablets (3). By H. M. Smith, 132 Borough, London, S.E. 1. 411,752.

"Flemex"; for medicinal chemicals (3). By the Red Band Chemical Co., 15A Richmond Terrace, Edinburgh. 412,205.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

H/115. Benjamin's healing oils.
P/65. Hippo ointment.
P/65. Bulah (or Beulah) oils.
R/115. Neothesin.
P/125. Lucille Frères' perfumery.
A/125. Butenol.
H/284. Pure gelose.
C/35. Chinn's fancy boxes for chemists; present address.

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, The Chemist and Druggist, 42 Cannon Street, London, E.C. 4.

Confectionery moulds, S/105
Cristaline shaving-blocks, M95
Crocker's alkaline liquid soap, B/105
Esanofele capsules, S/95
K regulators, K/55
Matthews' Fuller's earth, B/105
McDougall's sheep-dips, W/55
Morgan's pomade, B/105
Neville's perfumery, N/65
Oatine tooth-powder, B/105
Pepsodent tooth-paste, B/105
Vermijelli, H/55
Walkeasy corn silk, E/75

Observations and Reflections.

By Xrayser II.

The Report

of the North British Executive Committee on the Dangerous Drugs Act Draft Regulations is an illuminative document, and contrasts very favourably with reports on the same subject that we get from a quarter nearer home. It is not a mere statement of what has been done, without much effect, to save us from the tyranny of the Home Office, but it exposes the danger we are continually in from these Departments, which are turning representative government into a farce and the House of Commons into a laughing-stock. Iniquitous as these Regulations are, they are negligible in comparison with the spirit in which they were conceived and of which they are a symptom. The Executive Committee's report is a vigorous protest against this legislation by Departments, and a call to similar protests from all who are concerned. Our own Society contents itself with reporting that no notice has yet been taken of its objections to the Department's latest move, and with thanking us for the support it has received in its former protests, leaving us to conclude that all has been done that can be done, and we can only await the issue. The Scots would have us, at any rate, die fighting.

The Battle is Pitched.

The President's memorandum is even more challenging to the Retail Pharmacists' Union's policy with regard to the local Associations than I expected it to be. He aims at making them branches of the Society—if necessary, subsidised by the Society—with membership restricted to members of the Society, and secretaries who are the Society's officers. There may be no alternative to some such scheme but the severing of all connection between the Society and the Associations, which would, in my opinion, be a loss for which the union of the Associations with the R.P.U. would be a poor compensation; and if we have indeed to choose between the Association as a branch of the Society and the Association as a branch of the R.P.U. I should incline to the former, as preserving most nearly the original character of the Associations. The R.P.U. is, or should be, a purely business institution; the local Associations were something more than that. They have changed their character a good deal of late, and there are features in Mr. Neathercoat's scheme that I do not like, but one of its good features is that it would restore to the Associations somewhat of their old character. As for the R.P.U., I do not see why it need have more than one or two branches in each electoral section, and these ought certainly to be independent of the local Associations.

Mr. Keall's Pronouncement

in favour of conferring the title of "pharmaceutical chemist" upon all who have passed the Qualifying examination is, I believe, a new departure on the part of a candidate for the Council, and must be welcomed as bringing within the sphere of practical politics a long-desired reform—one, I may add, of which I was among the earliest advocates. Our present system of titles is anomalous to the point of absurdity: the distinction between pharmacist and pharmaceutical chemist is merely nominal, and was long acknowledged by the Society to be so, while the fact that a chemist may be a member of the Pharmaceutical Society yet not a pharmaceutical chemist is ridiculous. This anomaly was not contemplated in the Charter or by the Pharmacy Act, 1852, which conferred upon every qualified man the title of "pharmaceutical chemist" but left membership of the Society optional. I am afraid the time has gone by for the realisation of Mr. Keall's other proposal, the restriction of the term "pharmacy" to chemists' shops. The Society sold our birthright in this respect (or let it go by default), and there is now no place for repentance though we seek it with tears.

The Profiteering Acts

expire on May 19. They came into force on August 19, 1919. It would be interesting to know what they have cost the country, and how much they have in return saved the community. Could a full account of both be had we should, I venture to say, have reason to charge them with being the most futile piece of legislation of which even our present Government has been guilty, a Government, be it remembered, whose own profiteering in coal has ruined our foreign trade in that article, and incidentally brought the country into its present state of industrial war.

The Poet Dante,

the sexcentenary of whose death will be celebrated in the summer of this year (the exact date of his death is disputed), cannot be claimed as a pharmacist, but he was a student of medicine (probably at Padua, so famous for its medical school), and a member of the Guild of Physicians and Apothecaries of Florence. One of his biographers thinks it necessary to apologise for this lapse on his part, and bids us not suppose he ever practised as an apothecary; but, however this may be, he was well versed in all the science of his time, and must have had some special interest in medicine as a reason for joining that particular guild. We learn from his "Convito" that his library contained seven volumes of Albertus Magnus, three of his pupil, St. Thomas Aquinas, and three of Avicenna, each of whom wrote largely of medicine among other things. That Dante thought very highly of the first two is clear, since he placed them both in Paradise among that

> "Bright band in liveliness
> Surpassing . . . yet more sweet in voice
> Than in their visage beaming."

Aquinas, who, in his "Thesaurus Alchemiæ," acknowledges Albertus as his master, he calls "the angelic teacher," and though he doubtless studied him most as a theologian, there is evidence in his "Divine Comedy" of a general acquaintance with his teaching. There is, so far as I remember, no such reference in the poem referred to, as we often find in Keats, to his medical studies. It is noteworthy, however, that among the great spirits in Limbo he places

> "Hippocrates,
> Galenus, Avicen, and him who made
> That commentary vast, Averroes."

The Origin of the Apothecary

in this country dates much further back than one would suppose from what your correspondent, "A Barrister-at-Law," says about it. It is true he speaks only of apothecaries as a distinct branch of the medical profession, but long before Henry VIII.'s time they were recognised as a distinct branch, though the distinction may not have been a legal one. The earliest mention I remember to have seen in English of an apothecary is one I have cited before in these notes, from Bardsley's "English Surnames." In 1273, says Bardsley, "the Mayor of York was one John le Espicer, aut Apotecarius." Here "spicer" and "apothecary" appear to be convertible terms, but it is clear, from the passage in Chaucer alone, "Ful redy hadde he hise apothecaries," that these were a distinct class, and Caxton distinguishes the "physician, spicer, apotiquare" from one another. In England as in France, "Qui est espicier n'est pas apothicaire, et qui est apothicaire est espicier," and as time went on the difference between them grew, the apothecaries confining themselves particularly to drugs. Your correspondent is rather unfair to the apothecaries when he says, speaking of them as a separate class, that they began as quacks. They began as assistants to the physicians. Earle, in describing the physician of his day, speaks repeatedly of "his" apothecary's shop. They were subject to the supervision of the physicians, and stood to them in much the relation enjoined by the law of the Emperor Frederick II. regulating medical practice in the Sicilies.

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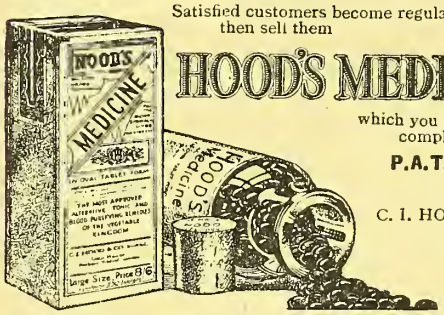

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Editorial Articles.

Safeguarding of Industries Bill.

THE resolutions which are intended to be embodied in a Bill for safeguarding industries which are regarded as of vital importance to the nation have passed the House of Commons by an overwhelming majority. As the division was a purely party one, there is no means of knowing how far it represents the considered views of individual members on the principles involved. The short effect of the resolutions, should they become law, would be to impose for a period of five years an *ad valorem* Customs duty of 33⅓ per cent. upon various glass and metal wares, and upon certain chemicals imported from abroad. They also contemplate measures, limited to three years, against dumping where the state of the exchanges is such as to place the foreign country in a specially favourable position for pouring into the United Kingdom goods sold at a lower figure than that at which they can be produced by us. The policy involved in the resolutions undoubtedly represents a change from that which predominated in Parliament prior to the war, and the President of the Board of Trade, in introducing them, rested his case upon three main arguments. The experience which we had during the war showed that it was imperative in the interests of national safety that we should foster and retain in our country industries on which the defence of the country in time of war depends. This applies in particular to the provision for the protective tax on chemicals. Secondly, he foresaw that, if something was not done to check it, the country might within a short time, which he put at twelve months, be made a dumping ground for cheap foreign goods with which manufacturers could not compete in the home market, and so the volume of unemployment would inevitably be

increased. Lastly, the industries to be protected were such as to give employment to that skilled class of workmen of which it is so essential to the prosperity of the nation that we should have a supply. Incidentally, he made the point against his political opponents that they had already, during the course of the war, admitted the principle for which he was arguing. Without any reference to the soundness or unsoundness of the policy, we cannot help feeling, and we are sure it must have struck many of Mr. Baldwin's hearers, that if, after the close of the gigantic war through which we have passed, we must nerve and prepare ourselves for a renewal of the struggle in the near future, the outlook is the reverse of pleasant. Our sacrifices in blood and treasure were made to little purpose. As was to be expected, the resolutions were vigorously attacked by the small body of orthodox Free Traders in the House. It was generally recognised that the five years and the three years for which the duties were nominally limited would be extended indefinitely. The opposition was led by Mr. Asquith, who, in addition to putting up the arguments commonly advanced in favour of unrestricted free trade as essential for the continued vigour of our national industries, defended himself with skill against the charge of inconsistency on the subject which was made against him in the course of the debate. He was quite prepared, he said, to adopt the language of the Prime Minister that: "Where an industry has been shown to be essential for war for the maintenance of the country, and has been found by experience to be neglected or in insufficient supply, and that special Government support is needed in order to bring it into existence, or maintain it in existence," such support should be forthcoming. In his view many of the articles specified in the resolution did not come into this category at all, and however that might be, the method by which it was intended to give assistance was fundamentally wrong. Support given to an industry by means of a tariff wall could only lead to industrial slackness and inefficiency. He also made play with the difficulties that must arise in the application of the provisions of the resolutions should they become law. For instance, an article may be regarded as dumped if it comes into the United Kingdom at a price "below which it can be profitably manufactured" here, and he asked what is to be understood by the word "profitably" in this connection. Much more is likely to be said of the proposals before they reach the Statute Book.

The Opium Traffic.

The League of Nations Opium Committee, which has been in session at Geneva for a week, brought its sittings to a conclusion on May 6 (see p. 33). Little attention has been paid to the proceedings in the Press, the "Daily Telegraph" being about the only newspaper which thought it worth while to refer to the conference. Sir Malcolm Delevingne, the reputed author of the Dangerous Drugs Act Regulations, which display such lack of technical knowledge of the sale of poisons, acted as British representative. But he, like many other bureaucrats, has failed or is afraid to grasp the nettle. He might have asked the Japanese representative at the conference (Mr. A. Ariyoshi) what is now the attitude of Japan to the opium traffic. The question seems appropriate because last year imports of morphine and cocaine into Japan for the purpose of doping the Chinese were larger than ever, as may be seen by the following figures:

		1918	1919	1920
Morphine	... (oz.)	165,147	408,872	778,390
"	... (yen)	3,478,868	7,118,461	12,305,230
Cocaine	... (oz.)	45,634	76,184	117,260
"	... (yen)	827,091	749,566	1,948,890

We also give the imports month by month for the past three years as follows:

—	Morphine			Cocaine		
	1918	1919	1920	1918	1919	1920
	oz.	oz.	oz.	oz.	oz.	oz.
January ...	12,666	3,149	60,339	847	—	8,496
February ...	17,249	15,166	55,784	3,622	400	12,308
March ...	9,636	16,266	70,540	10,326	4,000	24,689
April ...	12,322	4,247	70,459	4,557	—	14,993
May ...	28,993	9,407	87,997	7,575	300	3,043
June ...	13,219	24,667	65,311	2,083	2,500	8,018
July ...	18,467	37,790	38,735	3,675	5,000	6,830
August ...	11,174	56,717	30,078	4,900	8,000	9,285
September...	10,060	60,031	73,494	1,070	1,500	11,047
October ...	6,814	38,158	103,331	2,184	38,395	7,176
November...	7,305	64,908	61,039	1,507	4,943	8,525
December ...	17,242	78,366	61,283	3,288	11,146	2,850
	165,147	408,872	778,390	45,634	76,184	117,260

We do not suppose that any shipments were made from Great Britain direct to Japan, but in 1919 we note that 322,970 oz. of morphine was exported from this country, of which 121,474 oz. went to the United States. In addition, there must have been a considerable quantity consigned by post, but of this no records are available. It is common knowledge that Japan herself is a large grower of opium, and we have on several occasions given particulars of her production—*e.g.*, in 1919 the outturn was 455,845 kwamme, or say 152,000 lb., much more than would be required for medicinal purposes. There is, therefore, every reason to doubt the *bona fides* of Japan in the matter of opium suppression, particularly as we learn from Turkey that the Japanese Government opium-buyer is closely watching the trend of the Turkish opium market, and he hoped shortly to be in that country with the idea of making purchases. It would appear that in its official purchases of opium since the conclusion of peace the Japanese Government has bought in Turkey through New York houses, but it now looks as if that policy is to be discarded in favour of direct buying. Is America tired of being a decoy? Perhaps Mrs. Hamilton Wright, the anti-opium protagonist, has special information on the point. Persia, a large opium-growing country, has persistently refused to sign the Hague Opium Convention. Probably the lack of a stable Government prevents this, and it is doubtful if a decree were issued preventing the cultivation of opium in Persia whether it could be enforced. There is said to be a large stock of Persian opium in London at the present day, and as the British Government refuse to allow it to be dealt in, the Persian owners desire to obtain possession of their property. But the Government refuse to allow it to be re-exported on the ground that Persia has not signed the Opium Convention.

The Dentists Bill.

One of the legacies which the new Minister of Health has had left him by Dr. Addison is the Dentists Bill which it will be remembered was introduced and abandoned owing to the criticism it received. On May 5 Sir Alfred

Mond introduced an amended version of the Dentists Bill, which was read a second time at 4.30 A.M. on May 12 after an all-night sitting. We find, on comparing the present version of the Bill with that published in the *C. & D.*, January 1, that several changes have been made which go far to remove the causes of the condemnation which greeted the Addison version. The monstrous suggestion that chemists practising dentistry were to be penalised if they carried on at the same time a drug business has been omitted in the new Bill. Clause 3 now reads as follows :

Right of certain persons to be admitted to register.—3.—(1) The Board shall make regulations providing for the admission to the dentists register kept under the principal Act of—

(*a*) any person who makes an application in that behalf within the interim period and satisfies the Board that he—

(i) is of good character; and

(ii) was for any five of the seven years immediately preceding the commencement of this Act engaged as his principal means of livelihood in the practice of dentistry in the British Islands, or was admitted to membership of the Incorporated Dental Society not less than one year before the commencement of this Act; and

(iii) had attained the age of twenty-three years before the commencement of this Act; and

(*b*) any person who makes an application in that behalf within the interim period and satisfies the Board that he—

(i) is of good character; and

(ii) was for any five of the seven years immediately preceding the commencement of this Act engaged as his principal means of livelihood in the occupation of a dental mechanic in the British Islands; and

(iii) had attained the age of twenty-three years before the commencement of this Act; and who within two years from the commencement of this Act passes the prescribed examination in dental mechanics and within ten years from that date undergoes the prescribed training and passes the prescribed examination in dentistry.

(2) Any person who satisfies the Board that he was at the commencement of this Act engaged as his principal means of livelihood in the practice of dentistry in the British Islands, and within two years from the commencement of this Act passes the prescribed examination in dentistry, shall, for the purposes of the regulations under this section, be treated as having been engaged for five of the seven years immediately preceding the commencement of this Act in the practice of dentistry in the British Islands as his principal means of livelihood.

(3) Any person who is a duly registered pharmaceutical chemist or duly registered chemist and druggist shall, if he proves to the satisfaction of the Board that he had immediately before the commencement of this Act a substantial practice as a dentist and that his practice included all usual dental operations, be treated for the purposes of the regulations under this section as having been engaged for any five of the seven years immediately preceding the commencement of this Act in the practice of dentistry in the British Islands as his principal means of livelihood.

(4) The Board may on such conditions as they may consider proper dispense in the case of any person with any of the requirements prescribed by the regulations made under this section if they are satisfied that that person is unable to satisfy those requirements by reason of having served in His Majesty's forces, or of having been engaged during the war in some work of national importance, and that it will not be prejudicial to the public interest to dispense with those requirements.

(5) A person entitled to be registered under the principal Act under or by virtue of the provisions of this section shall not by reason only of being so registered be entitled to take or use any description other than the description of dentist or dental practitioner.

No such person as aforesaid shall affix to or use in connection with his premises any title or description reasonably calculated to suggest that the person practising dentistry in those premises possesses any professional status or qualification other than that which he in fact possesses, and if any person acts in contravention of this provision he shall, in respect of each offence, be liable on summary conviction to a fine not exceeding one hundred pounds.

It is due to the persistence of the Chemists' Dental Society that this clause has been modified. We regret that Mr. Benson Harries, hon. secretary of the Society, who worked so hard to bring about this change, has not lived to see the modified clause introduced into the House of Commons. We are not quite sure what the second part of Sub-Clause 5 means. If it prohibits the use of the description "dental surgery" it should be opposed, as there is no other convenient description of dental business premises. Clause 4, dealing with dental companies, allows the companies to carry on "some business ancillary to the business of dentistry," whatever that may mean. A caterer's business is distinctly ancillary to dentistry, but perhaps the expression is intended to allow companies to carry on business as surgeons and physicians. There has been inserted in Clause 13 a definition of the practice of dentistry as follows :

For the purposes of this Act the practice of dentistry shall be deemed to include the performance of any such operation and the giving of any such treatment, advice, or attendance as is usually performed or given by dentists, and a person who inserts or fixes artificial teeth for the supply of which he has received or is or may become entitled to receive, whether directly or indirectly, any payment, or who performs any operation on or gives any treatment or attendance to any person preparatory to the making for that person, or the inserting or fixing, of artificial teeth in the supply of which the person performing the operation or giving the treatment or attendance is directly or indirectly interested, shall be deemed to practise dentistry for a fee, notwithstanding that no charge is made in respect of the operation, treatment, or attendance or the insertion or fixing of the artificial teeth.

The subservient character of the Dental Board to be elected under the Act is ensured by requiring regulations of the Board to be approved by the General Medical Council before they are submitted for the approval of the Privy Council, which is a hopeless position for any Board to be in. The exemption is continued in Clause 1, allowing chemists to extract teeth "where the case is urgent and no duly qualified medical practitioner or registered dentist is available *and the operation is performed without the application of any general or local anæsthetic.*" We place the last sentence in italics to emphasise its vindictive character. It would appear that the Pharmaceutical Society has been unable to impress the authorities that chemists resent the implication which the public will draw that chemists are incapable of extracting teeth in the modern painless manner. We hope that there is at least one member of Parliament of sufficient humanitarian instinct to move the deletion of the words of the above quotation. It must not be forgotten that the Bill takes away from chemists the rights they have enjoyed from time immemorial of extracting teeth, but we fear that the Pharmaceutical Society is too afraid of Government officials to register a protest against this proposed infringement of chemists' rights.

The Advance in Turpentine.

THE extraordinarily rapid advance which has taken place in American turpentine has aroused no little excitement among dealers and consumers. It is a remarkable fact that under the prevalent feverish demand the price has within about a month, run up by fully 60*s*. per cwt. or by as much as it dropped during a period of three months or so from the beginning of this year. Dealing with the position in our editorial article of April 16 last we suggested that adverse conditions had seen their worst, and that any material change should be for the better, although there were then no signs of any revival of speculative enterprise. Our forecast was thus speedily borne out by subsequent events, and, as indicated by our weekly market notes since, the constant considerable encroachments upon the warehouse stocks a

this end have, naturally, had the effect of accelerating speculative operations. A brief review of what happened in the first quarter of this year enables one to grasp more thoroughly how the position became so acutely weakened over that period. Early in January the price was nominal at about 100*s*. in all positions in a most unsettled and demoralised market, with plenty of people wanting to sell, especially at provincial centres, but there were very few buyers who were later able to secure all they wanted at prices even very considerably below the current official quotations in this market. The after-effects of the general industrial depression made themselves felt unmistakably. Old speculative commitments had to be eliminated at huge losses, while actual stock was forced out under the acute money stringency. This dismal process in the utter absence of supporting orders from consumers or for speculation easily accounted for the slump which went on over the end of last quarter. Early in April the price actually reached 44*s*. both for spot and forward positions, at which figure the depression showed vague signs of having exhausted itself. These were exceptional circumstances under which the acute depression became inevitable. Allowing for our depreciated currency, the depression was really more severe than it appeared to be, while the fact deserves mention that the ensuing strong upward reaction of about 60*s*. per cwt from the lowest was, curiously enough, accompanied by a steady appreciation of the value of sterling to close on $4. This factor must of itself tend to cheapen cost of import based on the American f.o.b. price, compared with some months back when the rate of exchange was considerably lower. The two extreme points recorded last year were about 230*s*. and 100*s*. There were successive sharp falls from the closing price of last year of 100*s*. down to 48*s*. by the end of March, and to 44*s*. early in April. The upward trend of the market since has been sensational, as indicated by the few records of quotations given below of the London spot price :

April 7	...	46*s*. to 46*s*. 6*d*.
,, 14	...	48*s*. 9*d*. all positions.
,, 28	...	61*s*. to 62*s*. according to position.
May 5	...	90*s*. all positions.
,, 6	...	105*s*.
,, 9	...	About 97*s*.
,, 11	...	84*s*.

Doubts regarding the potentialities of the market at a relatively low level were a few weeks ago speedily removed when it was found that genuine American spirit had been selling as cheaply as substitutes and, as a matter of fact, even at a little below. This, of course, resulted in the outlet for the latter being brought to a standstill. When the price of the genuine article was very high, the selling of the various descriptions of substitutes was pushed vigorously, and consumers made much freer use of them. No doubt a good many consumers were rather taken by surprise at the force of the recent upward movement, and were thus compelled to fill some of their urgent needs at much higher figures than they had anticipated. The position is now most difficult to gauge, and, judging from surface appearances at the moment, the rise is suspected to have been carried to rather extravagant dimensions in so short a space of time. Importers here who have been closely identified for a long time past with the handling of the legitimate trade seem very reticent about expressing an opinion as to the present state of the market. Following upon a rise in value of 140 per cent. from the extreme lowest level seen recently, there seems to have been a reactionary feeling, and the market is undoubtedly very sensitive. The fact, all the same, remains that there has been an intense run on the warehouse stocks, which at the close of last week were estimated at about 15,000 barrels of American spirit. This would compare with about 47,000 barrels at the close of last year. Deliveries for some little time past have been on a fairly large scale, while the imports have remained much under the normal. The quantity of French spirit left in stock is only some 1,000 barrels. The last French crop yielded a good increase under the high price ruling, but only small parcels of French spirit have come forward lately, in spite of the fact that France recently withdrew the embargo on her exports and the tax thereon.

Medical and Dental Registers.

The General Medical Council has just issued the Medical Register for the year 1921 (21*s*., Constable & Co., Ltd.). The names of 44,761 persons are included—an increase of 251 on the number at the end of 1919 and of 662 on the average of the last five years. The number of registrations in the past year is 1,457. The names of 1,241 medical men have been removed during 1920 from the Register—481 more than in 1919, or 275 more than the last five years' average. Information regarding the various Acts of Parliament regulating the practice of medicine in this country and other matters precede the register of names. The Dentists Register for 1921, also issued by the General Medical Council (3*s*. 4*d*., Constable & Co., Ltd.), contains 5,610 names—an increase of 155 on the previous year's figures. The names added by registration since the last issue of the Register number 217—of these, 194 are of British nationality, which number is identical with those of the years 1917 and 1914. The percentage of persons registered as being in *bona-fide* dental practice at the passing of the Dentists Act, 1878, is 17.85.

Wills.

Mr. Thomas Mayor, chemist and druggist, 36 Middlewood Road, Sheffield, who died on December 10, left estate of the gross value of 3,550*l*. 10*s*. 3*d*., with net personalty 2,823*l*. 13*s*. 7*d*.

Mr. James Shacklady, 26 Lyndhurst Road, Wallasey, Cheshire, formerly secretary of Evans Sons Lescher & Webb, Ltd., who died on March 28, left estate of the net value of 4,703*l*.

Mr. Bertram Blount, F.I.C., F.C.S., 48 Bedford Gardens, Campden Hill, London, W., who died on April 9, left property valued at 4,817*l*. 10*s*. 8*d*., with net personalty 4,661*l*. 18*s*. 11*d*.

Mr. William Hannaford, chemist and druggist, 231 St. Albans Road, Watford, who died on February 18, left estate of the gross value of 2,479*l*. 8*s*. 3*d*., with net personalty 1,768*l*. 7*s*. 11*d*.

Dr. J. C. McWalter, Ph.C., High Sheriff of Dublin, who died on February 5, left estate declared for probate at 16,709*l*. He left to his sister one-third of his property, and the remainder to his wife.

Mr. George Hibbert Westmacott, Ph.C., Pen-y-dref, Rhosneigr, Anglesey, and 17 Market Street, Manchester, who died on March 17, left property of the value of 26,571*l*. 7*s*. gross and 26,433*l*. 8*s*. 10*d*. net. The executors are his sons Frederic Hibbert Westmacott, C.B.E., F.R.C.S., 8 St. John Street, Manchester; George Leonard Westmacott, 17 Market Street, Manchester, chemist; and Richard Westmacott, Rhosneigr. He gives 200*l*. to his sons Richard and Thomas, and the residue of his property to his wife for life, and then equally to his children.

British Pharmaceutical Conference.

THE PROGRAMME

of the Scarborough Conference has been sent out this week to all members. The following is a summary of the chief arrangements :

Monday, June 13.

Evening.—Reception at the Town Hall by the Mayor (Alderman M. T. Whittaker).

Tuesday, June 14.

9.30 A.M.—Opening session at the Grand Hotel, welcome by the Mayor. Address by the President, Mr. E. Saville Peck, M.A.; science papers.
Ladies' excursion.
1 P.M.—Luncheon at the Grand Hotel.
2.15 P.M.—Meetings of Science and Practice Sections.
Ladies' excursion.
Afternoon tea on Spa.
8 P.M.—Dinner at the Grand Hotel.

Wednesday, June 15.

7.30 A.M.—Swimming match in the bathing-pool.
9.30 A.M.—Meetings of Science and Practice Sections.
10 A.M.—Ladies' excursion.
1 P.M.—Lunch at the Grand Hotel.
2.15 P.M.—Closing session.
3.30 P.M.—Conference photograph on Spa.
Afternoon tea.
4.30 P.M.—Lecture by Dr. John Irving, M.D., on "Life in the Shore Pools," will be given on the sands.
5.30 P.M.—Motor charabanc drive.
8.30 P.M.—Smoking concert at the Grand Hotel.
10.30 P.M.—Dance at the Grand Hotel.

Thursday, June 16.

10 A.M.—All-day motor excursion to Whitby. Lunch at Royal Hotel, Whitby, tea at Hackness.
8.30 P.M.—Smoking concert at Grand Hotel.

Friday, June 17.

Morning.—Bowls, cricket match, golf.
2.25 P.M.—Excursion to Bridlington.
4.30 P.M.—High tea at Bridlington.

Books of Tickets.

The price of the tickets has been fixed at two guineas per book; this includes : Tickets for dinner only, 10*s.* 6*d.*; for day excursion only (including lunch and tea), 1*l.* 2*s.* 6*d.*; tickets for two lunches at 5*s.* each; tickets for teas, 1*s.* 3*d.* each; ticket for Spa, 7*s.* 6*d.*; dance tickets, 2*s.* 6*d.*; ticket for short motor drive, 2*s.* 6*d.* The extras are : Tickets for golf, 10*s.* 6*d.*; tickets for Bridlington excursion (railway fare), 6*s.* Separate tickets for one or more items can be obtained at these prices. The golf tickets include green fee, lunch, and return fare to Ganton station.

Applications for tickets must be sent in not later than June 1 to Mr. Edward R. Cross, Ph.C., hon. secretary, 12 Filey Road, Scarborough.

The programme gives also a list of hotels and boarding-houses, with terms for visitors.

AMUSEMENTS COMMITTEES.

The chairmen of the various sports committees are as follows : *Swimming*, Mr. G. H. Meadley, Gladstone Road, Scarborough; *Cricket*, Mr. R. C. Brown, 3 Westborough, Scarborough; *Golf*, Mr. W. H. Newton, Castle Road, Scarborough; *Bowls*, Mr. E. Parker, Ramshill Road, Scarborough. Entries for the various sports are required to be received by the chairmen before June 10.

LADIES' COMMITTEE.

The following is the list of the members of this Con mittee : Mrs. George Whitfield, *Chairman*; Mrs. Eyre *Vice-Chairman;* Mrs. E. R. Cross and Mrs. J. S Longdin, *Secretaries.*

Committee.

Mrs. A. E. Beckett.	Mrs. T. W. Longdin.
Mrs. R. C. Brown.	Mrs. F. A. Lund.
Mrs. J. E. Brown.	Mrs. Meadley.
Mrs. J. Chapman.	Mrs. Newton.
Mrs. E. M. Chapman.	Mrs. Oglesby.
Mrs. J. Clare.	Mrs. E. Parker.
Mrs. Halmshaw.	Mrs. Ruff.
Miss Hill.	Mrs. Scott.
Mrs. H. M. Hirst.	Miss Simms.
Mrs. Hunt.	Mrs. Turner.
Mrs. Kelsey.	

SECRETARIES' APPEAL.

Mr. R. R. Bennett and Mr. C. H. Hampshire, secr taries of the British Pharmaceutical Conference, write:

The fifty-eighth annual meeting of the British Pharm ceutical Conference will be held in Scarborough fro June 13 to June 17 inclusive, under the presidency Major E. Saville Peck, M.A. Invitations to attend t meeting have been posted to all members of the Confe ence, but we think it possible that there may be amo your readers some pharmacists who, although not y members of the Conference, would be glad of the oppo tunity of attending the Scarborough meeting. Will y permit us to ask any such pharmacist to obtain from o of us a nomination form with a view to becoming member of the Conference, and so eligible for Conferen tickets, which will only be supplied to members? All w propose making communications to the meeting are ask to send the titles of their papers to one of the gene secretaries at the earliest possible moment, and their M at least fourteen days before the date of the meeting.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

DANGEROUS DRUGS ACT COMMITTEE.

Mr. Gilbert, on May 4, asked the Secretary of State f the Home Department when the report of the Co mittee on the Regulations under the Dangerous Dru Act, 1920, may be expected; and whether, and wh it will be published.

Mr. Shortt replied : The Committee have, I und stand, nearly completed their inquiry, but I hope to ha their report shortly. The report will be published.

GERMAN REPARATION (RECOVERY) ACT.

Mr. Jameson, on May 9, asked the Chancellor of t Exchequer whether, in view of the terms of the Germ Reparation (Recovery) Act, 1921, if a British import finds it necessary to pay the full purchase price to t German exporter in respect of any goods, a similar amou should be paid to the Customs authorities, and not on an amount equal to 50 per cent. of the invoice price the goods.

The Financial Secretary to the Treasury (Mr. Hilt Young) replied : The answer is in the affirmative. T levy is fixed at a percentage of the value of the goo That value is defined by section 3 (1) as including t sum payable to the Commissioners, and section 3 (2) p vides that the invoice shall be accepted as *prima-fa* evidence of the value, if it includes the sum payable the Commissioners. The value on which the prescrib percentage is payable to the Customs is, therefore, t sum of the amount payable to the German exporter a the amount payable to the Customs; and while that p centage remains fixed at 50 per cent., it follows that the whole invoice price is paid to the Germans an eq amount is payable to the Customs, being 50 per cent. the value of the goods as defined by the Act.

The Royal Society.

HE spring conversazione of the Royal Society was held Burlington House, Piccadilly, London, W. 1, on May 11. e exhibits are, perhaps, neither quite so numerous nor ite so strong on the scientific side as usual. The only armacological one consists of large-scale photographs, ntributed by Sir James Dobbie and Dr. J. J. Fox, of e absorption spectra of cocaine, morphine, quinine, and ychnine. Absorption spectra may, within certain limits, used to distinguish classes of alkaloids. The bands tained are the bands due to the unreduced part of the lecule of the alkaloid. Thus, the bands of quinine, aine, and morphine are practically identical in position th those of β-methoxyquinoline, benzoic acid, and echol respectively. Emetine, cephaeline, corydaline, danosine, and certain other alkaloids all give absorpn spectra showing that they contain the unreduced echol grouping. The photographs show that minute ntities of an alkaloid are sufficient to obtain its characistic spectrum—e.g., 0.3 milligram of strychnine. From Royal Botanic Gardens, Kew, come some unusual specins showing, among other things, abnormal development lime-tree branches due to the presence of *Viscum album.* rning to physics, one of the most attractive tables is that which Professor Onnes (a foreign member of the iety), Sir Robert Hadfield, and Dr. H. R. Woltjer have embled specimens used in research on the influence of temperatures on the magnetic properties of alloys of with nickel and manganese. A series of iron-manganese iron-nickel alloys was exposed to the temperatures of uid air, liquid hydrogen, and liquid helium respectively, the specific magnetism tested after return to atmoeric temperatures. Tests were also made during imrsion in liquid hydrogen (−253° C.). The alloys with higher percentages of manganese cannot be made gnetic even by immersion in liquid helium (−269° C.). e existence of one magnetic and one non-magnetic nganese-iron compound is considered probable. Whatr the theoretical developments of this knotty problem, array of small bars of metal which reveal, with the of no more complicated adjuncts than a magnet and ooden scale, that they have been within a few degrees he absolute zero is eloquent of work systematically and oughly done. The National Physical Laboratory sends optical pyrometer, designed with a view to facilitating accurate measurement of high temperatures by the isappearing filament" method. An image of the hot ect is superimposed on the filament of the pyrometer p and the brightness matched by varying the current ough the lamp. Monochromatic red light is obtained means of a filter glass in the eyepiece. To enable the erver to check the permanency of the calibration of pyrometer, two lamps are fitted which can be interged exactly in the field by a simple transverse motion. aporiser invented by Mr. E. A. Griffiths for the conion of liquid oxygen into a gas is also new. The id oxygen is contained in a metal vacuum vessel. The ssion of gas is governed by bringing a flexible portion he outer wall into contact with the inner, the degree contact determining the rate of transmission of heat ss. Any desired rate of gas evolution can be obtained o 10 litres a minute, and the delivery remains constant any particular setting for several hours. Of more eral interest is a collection of models, charts, and r things sent from the Meteorological Office. Actual rds of atmospheric pollution in London are provided; they show, incidentally, that the two principal aks" occur at 10 A.M. and 5 P.M., and can, therefore, lly be explained by the factory use of coal. Astroical photographs and drawings from the Royal ervatory, Greenwich, and from Stonyhurst College are opical interest in connection with the recent partial se; but the greatest number of people seemed to mble in front of a portrait in oil of Galileo, ascribed . Tintoretto, and believed to be the earliest existing rait of the astronomer. It was pointed while he was er of mathematics at Padua, some years before he rtook the discoveries which immortalised his name.

Chemical Society.

AT the meeting of the Chemical Society, held in Burlington House, London, W., on May 5, Dr. M. O. Forster being in the chair in the absence of the President of the Society, a ballot for the election of Fellows was held, at which ninety-four new Fellows were elected.

Dr. G. A. R. Kon read a paper on *The Formation and Stability of Spiro-compounds. Part IV. The Formation of Ketones derived from Open-chain and Cyclic Glutaric Acids by the Thermal Decomposition of their Calcium Salts.* The author discussed the structure of acyclic compounds, dwelling particularly on the angle formed by the four groups attached to the central carbon atom, pointing out that in the case of methyl and ethyl groups the angle was smaller than was the case with the opposite two residues. This was doubtless attributable to the greater molecular weight of these groups. The figures illustrating the instability of the ketones of various acids of this group, and of glutaric acid, were given, showing the ease, or the difficulty, with which it is possible to produce the ketones. The author concluded by discussing the methods adopted to obtain these ketones, and the difficulty of separating them at the temperatures employed.

The Hydrolysis of Cotton Cellulose was the subject of the paper presented by Mr. G. W. Monier-Williams, in which he mentioned the various attempts hitherto made to obtain glucose by the hydrolysis of cellulose. He then described the method he had adopted, which consisted in dissolving cotton wool in sulphuric acid, and boiling the mixture under a reflux condenser for fifteen hours. On filtration, a colourless liquid was obtained, which was neutralised with barium carbonate, filtered and evaporated. The residue was then extracted with methyl alcohol, whereby pure white crystals were obtained, containing 94.73 per cent. of glucose. Cellulose should yield theoretically 111.11 per cent. of dextrose, and by this method the author succeeded in obtaining a yield of 9.12 grams from 10 grams of cotton wool. No other bodies were found, with the exception of 1.53 per cent. of ash. The yield of crystalline glucose amounted to 75-85 per cent.

The next paper, dealing with *Amylases of the Cereal Grains—Rye*, was read by Mr. Julian L. Baker (in collaboration with Mr. H. F. E. Hulton). Mr. Baker dealt first of all with the amylase of barley, and pointed out that all seeds contain a principle which has an action on starch, but does not produce its liquefaction. The latter takes place only with germinated seeds. The amylase of rye, however, forms an exception, inasmuch as it rapidly liquefies starch, and hence acts as a germinated seed. The rotatory power of barley amylase is (*a*) D=153, and its reducing power, expressed in terms of maltose, R=60; the corresponding figures for rye amylase are (*a*) D=145-155 and R=65-70. Rye was malted in the author's laboratory, and the enzyme extracted, which acted on starch paste. Its constants were found to be (*a*) D=146-149, and R=50-59. This product was fractionated, and yielded maltose, and a non-hygroscopic dextrose of (*a*) D=182, and R=11. The interesting observation was made that rye malt gives only dextrin and maltose, whereas with barley malt several other products are found.

In his paper on *The Conditions Underlying the Formation of Unsaturated and Cyclic Compounds from Halogenated Open-chain Derivatives. Part II. Products Derived from Halogenated Adipic Acids*, Dr. C. K. Ingold referred to the relative position of the side chain in four compounds, attached to one carbon atom, pointing out that the angle formed by each two chains on either side depended upon the molecular weight of the group in question. He then discussed, by the aid of slides, the effects of substitution, whereby this angle is altered. He remarked that the essential oils contain numerous examples of this type of ring compounds. Dr. Ingold then proceeded to discuss the relative stability of cyclopropane and of cyclobutane, dealing with the results of his experiments on these compounds.

AT a gathering of Canadian business men at Australia House on May 9, a Canadian Chamber of Commerce in London was inaugurated.

The Profiteering Act.

Cost of Brushes.

The sub-committee appointed by the Standing Committee on the Investigation of Prices under the Profiteering Act to investigate the "costs, profits, and prices" of brushes and brooms has issued its report [Cmd. 1275, 2*d*.]. The conclusion of the sub-committee is: "That the prices charged for these articles by the manufacturers are fair and reasonable, and the rates of profit earned are not in excess of the pre-war rates current in the brush and broom making trade." In the case of tooth-brushes, the following remarks and table appear in the report:

It is the aim of every manufacturer to make a "best" tooth-brush, the lower grades being produced almost entirely by the process of sorting, either of the bone "pieces" or "stocks," or of the brushes as they come through the various processes of manufacture, after being filled with bristle. . . . After the stocks have been graded they are filled, or "drawn," with bristle of appropriate quality, a "best" stock being filled with best quality bristle, a "second" with second quality, and a "common stock" with inferior quality. Defects may develop during the various processes of manufacture which would necessitate a brush being put down to a lower grade. . . . Under these conditions it can easily be realised that some brushes of the lower grades may actually be sold at a price lower than the cost of production, so that to obtain a fair judgment of the cost of a tooth-brush it is necessary to take figures over the whole of the output of an individual factory. Although the average percentage of profit of these tooth-brushes is given as 16.35 per cent., it is difficult to regard this figure as a genuine average, as it may happen that out of a batch made four qualities may be produced. Until a batch is actually finished, and graded, a manufacturer is unable to determine the selling prices, which depend on the quality of the finished product. The manufacture of tooth-brushes is confined exclusively to the London area and Axminster.

SUMMARY OF TOOTH-BRUSH COSTINGS.
AT PER GROSS.

Details	Firm A	Firm B	Firm C	Average	Per cent. off selling price
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
Material—					
Bone	13 2	12 0	13 0	12 8¾	
Bristle	2 6 11	1 16 0	17 6	1 13 5¾	
Sundries	3 11	4 0	5 1	4 4	
Total Material ...	3 4 0	2 12 0	1 15 7	2 10 6½	31·49
Labour—					
Cutting and Cropping	1 8	6	1 10½	1 4½	
Profiling	1 6	1 6	1 6	1 6	
Fashioning ...	18 4	18 0	17 0	17 9¼	
Tubbing and Turping	2 1	2 6	1 6	2 0½	
Bleaching... ...	—	—	1 8	6¾	
Drilling	1 9	4 9	2 6	3 0	
Graving	9	—	2 5	1 0¾	
Drawing	18 4	18 0	18 0	18 1¼	
Cementing ...	—	1 0	1 9	11	
Wet Polishing ...	4	9	1 1	8¾	
Washing	5	1 0	10	9	
Trimming ...	2 1	3 0	9	1 11¼	
Dry Polishing ...	5	1 3	7	9	
Sorting	4	1 6	10	10½	
Stamping ...	2 1	2 0	11	1 8	
Boxing	2 1	2 0	6	1 6¼	
Total Labour ...	2 12 2	2 17 9	2 13 8½	2 14 6½	34·00
Total Labour and Materials ...	5 16 2	5 9 9	4 9 3½	5 5 1	65·49
Overhead charges ...	19 7	19 3	2 8 8½	1 9 2	18·16
Total cost	6 15 9	6 9 0	6 18 0	6 14 3	83·65
Profit...	1 12 3	16 6	1 10 0	1 6 3	16·35
Selling Price ...	8 8 0	7 5 6	8 8 0	8 0 6	100·00

Among remarks of general interest made in the report is that "only in rare instances is a proper system of costing maintained. Under the heading "Foreign Competition" the following passage occurs:

With the advent of the European War the competition from Belgium, Germany, and Austria was eliminated. . . . The opportunity was seized upon by Japan, which flooded the market with products which were required by the public owing to the non-fulfilment of domestic orders by home brush manufacturers. In addition, that country succeeded in capturing a large proportion of Colonial orders previously held by the United Kingdom. During the year 1914 Japan delivered into this country 322,227 dozen brushes to the value of 4,499*l*., as compared with 2,407,044 dozen brushes to the value of 615,464*l*., which the same country delivered in 1919. These Japanese brushes, however, are mainly of the smaller type, such as tooth- and toilet-brushes.

Hair-brushes are not among the types dealt with by the sub-committee—no reason being given for the omission. The tooth-brushes referred to are designated "4-row gentleman's tooth-brush (graded)."

Central Profiteering Committee Dissolved.

The final general meeting of the Central Committee under the Profiteering Act was held in London on May 10. The chairman (Mr. John Murray, M.P.), in surveying the work done, said that they had spent only one-third of the sum allotted to them by the Treasury, a record of which any Department might be proud. They had completed about seventy reports on direct investigations in regard to industries and trusts. The public had been very slow to lay complaints. Their investigations had shown that British business was at least as honest as any other department of British life. Big business was also honest, but the combinations with which the Committee had been concerned were great examples of the concentration of power, and for that reason should be watched with careful and continuous inquiry. The chairman concluded: This is the "Swan Song" of the Central Committee. We die in the hope of resurrection next year with greater powers and possibilities of usefulness.

Prosecutions.

At Guildhall Police Court, London, on May 9, the decision was given in the case in which J. C. Mascarenhas (trading as J. Lloyd & Co., manufacturing chemists), Broad Street House, E.C., was charged with having sold 10 tons of soda crystals at an unreasonable price (*C. & D.*, April 23, p. 39). The magistrate said that the case came within the scope of the Act, but was not a very serious one, and imposed a fine of 5*l*., with 10*l*. 10*s*. costs. Notice of appeal was given.—At the same Court, a summons against Norris Bros., Ltd., chemical manufacturers, Moorgate Station Chambers, E.C., who were alleged to have sold 2 tons of soda crystals at a price yielding an undue profit, was dismissed. It was stated for the prosecution that the soda was purchased for 8*l*. and was sold for 14*l*. six days later; it was explained, however, for the defence that the consignment was part of an 11-ton order.

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Wednesday, May 18.

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C., at 12 noon. Annual general meeting.

Leeds Chemists' Association. Annual meeting.

London (Western) Pharmacists' Association, Pinoli's Restaurant, Wardour Street, London, W., at 8.30 P.M. Annual meeting.

Thursday, May 19.

Chemical Society, Burlington House, Piccadilly, London, W., at 8 P.M. Meeting.

Friday, May 20.

Manchester and Salford Chemists' Assistants' Association, Hazel Grove Tram Terminus at 10.30 A.M. for 10.45 A.M. Ramble.

The death is announced of Mr. Blacksell Morse (B. Morse & Sons, herbalists, London, S.W. 6), aged eighty-one. Mr. Morse sent out gaily decorated vehicles to fairs and elsewhere for the sale of glasses of "sarsaparilla," and it was popularly believed the beverage had been sampled from one of his stands by Gladstone and the late Duke of Devonshire.

Association Affairs.

Birmingham.—On May 9 a meeting of the Council of the Birmingham Pharmaceutical Association took place at the Chamber of Commerce, Mr. J. W. Atkinson (President) in the chair. The chairman moved a resolution tendering the sincere sympathy of the meeting to Mrs. Barlow in her recent bereavement. He also mentioned that a letter of sympathy had been sent to the family of the late Mr. Deakin. The secretary detailed the steps which had been taken in correspondence with Birmingham members of Parliament and communications to the Press to prevent the passing of the Regulations, in the form in which they were drafted, of the Dangerous Drugs Act. The following delegates were appointed to the British Pharmaceutical Conference: Messrs. J. W. Atkinson (President), E. W. Mann, H. Buckingham, Councillor J. Poole, and Mr. F. Smith (secretary).

Edinburgh.—The annual business meeting of the Edinburgh Branch of the Scottish Pharmaceutical Federation was held on April 28, Mr. John T. Coats (President) presiding. The Council was re-elected unanimously as follows: *President*, Mr. Coats; *Vice-President*, Mr. G. Graham Davidson; *Secretary*, Mr. Kenneth J. C. McLennan; *Joint Treasurers*, Messrs. Barbour and Manson; *Committee*, Messrs. A. J. Clark, Jas. Findlay John Muir, W. Manson, Barbour, Steedman.

London (S.W.).—The monthly meeting of the South-West London Chemists' Association was held recently, the President (Mr. J. Humphrey) in the chair. A vote of sympathy was passed with the relatives of the late Mr. Deakin. The question of the formation of a branch of the Retail Pharmacists' Union was then discussed. It is intended, if possible, for the branch and the Association to work together. It was proposed that there should be alternate monthly meetings, a larger representation of employees on the council of the Association, and the President to be alternately employer and employee. The majority of the recommendations was accepted, but the question of splitting the funds of the Association was deferred to next meeting. It was agreed that a branch be formed, and employer members were asked to remain after the meeting to elect officers and committee. Mr. Dan Davies then spoke on the Middle Classes Union, and hoped pharmacists would join. Mr. Humphrey announced that the proprietors of Glaxo had offered a second prize for the best work done by ladies in aid of the Benevolent Fund, and congratulated Mrs. Freke on obtaining the first prize from Eucryl, Ltd. The annual summer outing was fixed for June 8.

Macclesfield.—At a meeting of the Macclesfield and Congleton Pharmacists' Association, on April 27, Mr. E. Brian, Mill Street, was unanimously elected President for the ensuing year. The secretary, Mr. Langley, was re-elected and thanked for his services.

Middlesex.—At a meeting of the Middlesex Pharmaceutical Association, which was held recently, the secretary, Mr. Hugo Wolff, raised the question of the constitution of the Middlesex Association and its executive, and this led to a prolonged discussion. It was felt that, with the formation of the Retail Pharmacists' Union, continued existence of the executive as a separate body was no longer necessary. At the same time there was general agreement that it was desirable there should be one strong Middlesex branch of the Union, rather than separate small branches in London districts. Ultimately it was arranged that the secretary should obtain all necessary information on the subject under discussion, with a view to arrangements being made to form a Middlesex branch, the executive of which should replace the executive of the Middlesex Pharmaceutical Association.

Newport (Mon.).—A meeting of the Newport (Mon.) Chemists' Association was held on April 26, Mr. J. Menhinick (President) in the chair, when the new Insurance terms were discussed and favourably commented on. It was unanimously resolved to forward a letter from the Association to the Local Associations Executive Committee expressing appreciation of their efforts on behalf of panel chemists. The general conditions and rules drawn up for guidance of branches of the Retail Pharmacists' Union were discussed and accepted. The meeting expressed sympathy with the relatives of the late Mr. Deakin.

West Ham.—At a meeting of the West Ham Association of Pharmacists recently Mr. John Keall gave an interesting address, in which he briefly reviewed the work of the Pharmaceutical Society. He referred to the numbers of unemployed qualified men, and to the new regulations regarding apprenticeship, pointing out the necessity of passing the Preliminary before the indentures are signed. Mr. Keall feelingly referred to the loss to pharmacy through the tragic death of Mr. Deakin. A vote of sympathy with the family was passed, the whole of the members rising. Replying to a vote of thanks and confidence, Mr. Keall asked for the support of the Association not only for himself but for his colleagues, the retiring members.

Wolverhampton.—The Wolverhampton Chemists' Association held a meeting on April 27, Mr. J. H. Coleman (President) in the chair. The President referred to the death of Mrs. Fowke, of Stafford, and a vote of sympathy with Mr. Fowke was passed. Delegates to the coming British Pharmaceutical Conference meeting were appointed. Mr. H. Oakley read a paper on *Wells's "Outline of History,"* and a discussion followed.

Women Pharmacists.—The London Group of the National Association of Women Pharmacists held the annual meeting recently, the chairman being Miss Gilliatt. The secretary submitted the annual report and Miss Sproule (the treasurer) submitted the financial report. Miss Andrews, the employment secretary, gave an interesting report concerning the work of the employment bureau. These reports were adopted. Miss Edmond was elected a member of the Committee, and auditors were appointed for 1921. Delegates were also appointed to the National Association of Women Pharmacists. Mrs. Freke made an appeal for the Benevolent Fund of the Pharmaceutical Society, and the President reminded members that Miss Buchanan was again a candidate for the Pharmaceutical Council, and asked for their support. The President (Miss Gilliatt) gave an interesting address on the training of pharmaceutical students in hospitals and on the Draft Regulations under the Dangerous Drugs Act.

West Midland Federation.

A MEETING of the West Midland Federation of Pharmaceutical Associations was held on April 21. There was a fair attendance, representing the following Associations: Staffordshire, Worcestershire, Warwickshire, North Staffordshire, Birmingham, Smethwick, and Wolverhampton. Mr. H. O. Lloyd (President) was in the chair. The chairman moved that the sympathy of the meeting be forwarded to Mr. Fowke on the bereavement he had recently suffered in the death of his wife, and to the widow and family of the late Mr. Deakin. These were passed in silence, standing. On account of the death of Mrs. Fowke, the dinner which the Staffordshire Association had arranged to give the same evening to Mr. T. W. Garland, chairman of the Staffordshire Pharmaceutical Committee, was postponed. The chairman introduced Mr. A. R. Melhuish, his colleague on the Council of the Pharmaceutical Society and on the Retail Pharmacists' Union, who was attending the Federation as a delegate from the Council. Mr. Melhuish, in referring to the formation of the R.P.U., took it as a compliment to the Local Associations Executive and those who led the way in the formation of the Union that so many old L.A.E. members had been returned to the new Executive, and that the transference to the new body of Insurance work had been so complete. He dealt with the recent test case, the Dangerous Drugs Act, the Proprietary Medicines Bill, and the outlook regarding the separation of prescribing and dispensing. It was his opinion that the branches of the R.P.U. should be formed so far as possible within the Associations. He recommended that a wide view be taken of the Dangerous Drugs Act, and emphasised the indebtedness of pharmacists to Sir William Glyn-Jones for his arduous work in this connection.

Dutch Exports of Drugs, Chemicals and Essential Oils.

THE following record of exports for the year 1920, compared with 1919, is compiled from official statistics supplied by the Dutch Government. The tables also give the countries of destination, and, judging by the quantities exported, they show that the Netherlands has a larger volume of trade in these products than may have been anticipated. The countries of destination are designated according to the status prevailing in January 1920. Austria, Hungary, and Czecho-Slovakia for 1919 cannot be placed with accuracy.

PHARMACEUTICAL CHEMICALS.

Articles and Countries of Destination	1919		1920	
	Kilos.	Florins	Kilos.	Florins
Acetic Acid (incl. glacial)...	563,452	383,152	2,912,986	2,151,033
To Great Britain ...	22,387	12,240	535,303	345,234
To Dutch East Indies ...	298,242	155,632	961,940	529,369
To Malacca	77,925	73,246	315,016	282,132
To British India ...	115,180	104,070	733,791	695,347
Camphor	2,662	10,286	1,745	20,495
To Great Britain ...	2,051	4,296	—	—
To Dutch East Indies ...	489	4,599	1,521	18,152
Chloroform	1,397	6,485	827	5,710
To Dutch East Indies ...	1,350	6,140	675	4,637
Cocoaine	1,105	131,280	406	64,234
To Belgium	268	45,811	16	3,405
To Italy	195	40,630	100	22,800
To Brazil	316	20,433	—	—
To Japan	—	—	192	29,750
Glycerin—(a) crude ...	64,848	41,910	735,280	596,223
To Germany	25	25	133,487	110,696
To United States ...	60,571	38,500	591,029	474,208
Glycerin—(b) refined ...	664,312	765,093	1,490,911	1,522,360
To Germany	17,857	22,760	290,108	290,788
To Belgium	114,934	153 274	213,755	208,311
To Great Britain ...	19,591	29,420	129,526	142,560
To France	46.034	63,768	134,670	139,645
To Sweden	134,241	147,365	192,553	182,289
To Denmark and Iceland	92,799	103,204	115,147	112,624
To United States ...	—	—	91,306	100,070
To Norway	141,474	139,026	148,075	162,212
Quinine sulphate and salts of other Cinchona alkaloids	103,375	1,585,428	120,459	3,453,474
To Great Britain ...	9,207	262,540	7,767	276,341
To United States ...	43,764	478,106	31,688	1,336,297
To Greece	19,899	108,285	19,567	224,119
To Italy	7,636	254,727	6,295	206,006
To Switzerland	3,448	113,715	3,317	109,999
To China	—	—	17,585	456,132
To Germany	10	517	4,568	178,839
Saccharin	3,577	61,930	69,708	706,272
To Sweden	767	—	7,650	106,200
To Portuguese West Africa	316	—	—	—
To Switzerland	147	—	18,165	158,250
To Belgium	230	—	3,279	64,172
To Finland	—	—	4,157	59,900
To Hungary	—	—	8,669	45,500
To Austria	—	—	7,085	52,300
To Great Britain ...	—	—	1,478	40,952
To Czecho-Slovakia ...	—	—	7,246	38,500
Pharmaceutical chemicals (not mentioned separately)	541,098	2,015,604	554,875	2,573,464
To Belgium	135,177	268,081	183,063	258,387
To Great Britain ...	43,594	161,615	34,345	225,411
To United States ...	40,852	127,951	30,355	97,409
To Dutch East Indies ...	242,081	1,005,449	190,023	1,200,835
To Chile	482	3,216	13,262	166,893
To France	7,958	67,016	22,905	117,949

CRUDE DRUGS.

Articles and Countries of Destination	1919		1920	
	Kilos.	Florins	Kilos.	Florins
Benzoin	8,818	19,720	22,820	46,205
To Germany	6,759	16,110	10,147	22,464
To Great Britain ...	85	200	8,682	13,700
Cassia fistula	67,407	86,661	17,701	22,273
To Great Britain ...	20,734	27,049	7,204	7,175
To United States ...	13,278	17,528	—	—
To Italy	28,378	36,915	10,497	15,098
Cinchona bark	128,726	335,808	1,983,627	5,817,042
To Germany	354	1,321	329,595	980,911
To Great Britain ...	20,217	44,036	51,292	90,725
To France	50,347	119,892	539,802	1,470,260
To United States ...	22,379	56,348	907,917	2,817,246
To Italy	11,371	34,005	115,699	354,885
Coca leaves	309,323	468,388	984,850	811,349
To Germany	151,417	223,692	727,389	583,748
To Switzerland	92,022	152,913	54,956	42,550
To United States ...	24,065	31,325	96.637	99,900
To France	30,065	48,630	97,130	72,466
Cod-liver oil, medicinal ...	67,210	46,246	159,931	99,883
To Germany	—	—	39,779	21,236
To Great Britain ...	58,500	29,868	100,400	50,564
To Dutch East Indies...	6,348	11,214	10,457	14,128
Copal	1,189,828	1,055,013	2,474,832	1,945,851
To Germany	802,997	691,271	1,035,105	856,965
To Belgium	52,325	51,303	108,297	81,295
To Great Britain ...	76,999	66,859	363,420	249,569
To France	95,883	98,148	222,948	161,919
To Austria	55,999	60,357	28,415	28,498
To Switzerland	23,316	22,189	32,583	30,326
To United States ...	—	—	594,923	436,758
Cubebs	9,144	51,099	22,231	94,200
To Great Britain ...	4,533	25,889	1,927	9,496
To France	1,778	8,223	7,714	22,791
To Belgium	—	—	8,000	34,400
To United States ...	2,502	15,436	2,126	15,167
Damar	263,649	348,042	575,518	664 142
To Germany	214,467	278,022	179,295	146,655
To Great Britain ...	150	260	155,791	179,144
To United States ...	7,750	10,250	171,847	236,495
Gelatin	465,221	1,562,680	710,151	2,510,774
To Belgium	13,297	62,085	24,609	80,108
To Great Britain ...	88,872	316,027	25,897	92,830
To United States ...	265,421	811,686	620,528	2,188,907
To Canada	8,160	26,930	28,050	98,300
Juniper berries	663	380	559	318
Liquorice juice	12,108	28,220	10,120	19,919
Opium	41	1,445	282	4,026
To Dutch East Indies ...	26	956	195	2,483
Orange peel	39,512	84,585	36,024	74,804
To France	22,140	56,483	16,347	33,283
Resin (pine)	117,618	68,246	28,846	13,689
To Germany	116,288	67,437	14,315	7,098
To Austria	—	—	10,900	4,500
Resins, gums and balsams (not mentioned elsewhere)	91,534	122,303	156,200	271,851
To Germany	75,616	82,658	68,402	103,081
To Dutch Indies ...	4,390	20,155	28,181	84,600
To France	2,566	2,515	12,890	12,596
To Argentine	—	—	12,122	17,277
Tobacco extract	192	200	60	50
Drugs (not specified) ...	234,477	322,497	204,142	228,139
To Germany	65,359	101,898	23,531	21,614
To Belgium	43,049	51,422	39,101	26,609
To Great Britain ...	56,206	59,242	20,490	26,731
To United States ...	21,919	39,879	74,905	87,208
To Dutch East Indies ...	8,702	15,795	11,909	24,754

ESSENTIAL OILS

Articles and Countries of Destination	1919		1920	
	Kilos.	Florins	Kilos.	Florins
Natural essential oils ...	178,200	1,424,048	160,782	1,459,559
To Germany	55,603	345,800	23,070	195,208
To Great Britain ...	27,715	253,091	29,166	227,262
To France	16,213	229,765	5,911	53,774
To United States ...	19,108	149,352	8,100	162,196
To Dutch East Indies ...	8,421	52,527	11,936	125,985
To Sweden	15,510	124,890	8,841	85,451
To China	3,342	25,898	6,633	60,364
To Brazil	3,308	30,590	7,774	59,915
To Norway	3,682	39,497	5,166	49,889
Perfumes, synthetic (liquid and solid)	48,728	496,107	167,630	2,016,383
To Germany	3,153	86,886	4,948	74,420
To United States ...	9,484	102,572	23,565	574,873
To Dutch East Indies ...	2,069	17,850	7,416	112,724
To Sweden	5,405	40,822	5,599	39,793
To China...	3,945	33,522	14,526	159,032
To Brazil	1,473	23,967	6,483	52,607
To Great Britain ...	4,471	39,512	32,063	336,819
To Switzerland	1,597	10,940	11,868	86,238
To Japan and Corea ...	2,234	17,987	13,610	167,426
To France	1,335	21,775	5,278	67,113

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Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C. 4, May 12.

USINESS continues quite retail, and there is no inclina-on to buy unless compelled by actual necessity. It ould be idle to expect any increase in trading until the bour situation improves and the political outlook is earer. The fact that Germany has agreed unreservedly the Allies' reparation terms has caused no jubilant eling here, as our own domestic troubles dominate the blic mind at the moment. What effect the tax of 5 per cent. on goods exported from Germany will have n prices cannot be foreseen at present. There is little robability, however, that the 50 per cent. reparation ity will be dropped. The drug-auction due to be held his week was again abandoned, and no further date s yet been fixed. As indicating the trend of business, e notice that an old-established firm of drug brokers ve issued a list of goods they have on hand, for which ey will be pleased to receive inquiries. Among the few anges in crude drugs is an easier tone in gamboge, ammony root, and buchu. Balsams are still on the easy le, particularly copaiba and Peru. Menthol is dull d lower. Cod-liver oil is higher. Olive oil is rising, d British castor oil is dearer, but French is lower. rpentine has been very erratic, and quotations are reliable. Ergot, lycopodium, and hydrastis are easier; nega has been sold more freely for export. Canary seed again higher, coriander is steady, and fenugreek seed ll. Shellac has quieted down, and is steady at the gher range of prices.

Higher	Firmer	Easier	Lower
ary seed tor oil (Eng.) oa butter am of tartar d products ve oil	Cod-liver oil Hexamine Phenazone Phenolphthalein Sodium benzoate	Balsam Peru Betanaphthol Calcium lactate Caraway oil Cassia oil Cedarwood oil Copaiba Gamboge Geranium oil Hydrastis Lemongrass oil Lycopodium Mercury Methyl sulphonal Nutmeg oil Orange oil Paraldehyde Pepper Rosemary oil Soda hypo. Sodium prussiate Spike oil Vanillin Wormseed oil	Arsenic Buchu Camphor oil (Jp.) Castor oil (French) Cocaine hyd. Ergot Eucalyptus oil Formaldehyde Gingergrass oil Lactic acid Menthol Methyl salicylate Milk sugar Patchouli oil Peppermint oil Scammony root Sodium sulphite (cryst.) Spearmint oil (c.i.f.) Turpentine Wintergreen oil (c.i.f.)

Cablegrams.

NEW YORK, May 11.—Business fair. Peppermint oil tins is again lower by 15c. at $2.50 per lb. Carta-na ipecacuanha is cheaper at $2.20. Serpentary root has en reduced to $1.50 and cascara sagrada to 12½c. Buck-orn bark has declined to 10c. and balsam Peru to $1.60. paiba is reduced to 34c. and phenacetin to $1.50. Milk gar has fallen to 18½c. and citric acid to 46c. per lb. rcury is $47.00 per flask.

BERGEN, May 11.—The total catch of Norwegian cod ce the opening of the season now amounts to 34,400,000, ainst 31,800,000 at the same period of last year, and yield of steam-refined medicinal cod-liver oil is 256 hectolitres, against 48,139 hectolitres at the cor-ponding date of 1920. Finest new Lofoten oil is oted at 93*s.* per barrel c.i.f. London, being firmer.

London Markets.

ANTIMONY.—Foreign refined keeps firm, stiffer terms being wanted for shipment at 25*l.* 10*s.* per ton c.i.f., which is about the quotation at which spot lots can be had.

BALSAMS.—B.P. filtered *Copaiba* is easier on the spot with sellers at 2*s.* 3*d.* per lb. *Tolu* is weak at 1*s.* 10*d.* to 2*s.* per lb. *Peru* is on the easy side at 7*s.* 9*d.* per lb., and for a line less would be accepted.

BELLADONNA remains slow of sale for root and leaves. Good Indian root (0.05) is offered at 1*s.* 6*d.* per lb., and dull to good green English leaves (0.05) at 1*s.* 2*d.* to 1*s.* 6*d.* per lb.

CAMPHOR (REFINED).—Japanese slabs are quiet at 3*s.* 7*d.* per lb., and Chinese at 3*s.* 5*d.* to 3*s.* 6*d.* on the spot. *Crude* varies from 2*s.* 4*d.* to 2*s.* 6*d.*

CASCARA SAGRADA has created slightly more interest. Three-year old on the spot is offered at from 92*s.* 6*d.* to 95*s.*, and to arrive 85*s.* c.i.f. has been quoted, but a lower figure is now current.

CASTOR OIL.—French medicinal water-white quality has been selling at 65*l.* to 67*l.* 10*s.* per ton in barrels and 70*l.* to 72*l.* 10*s.* in tins in cases, ex wharf London. For shipment, 65*l.* is quoted in barrels and 70*l.* in tins in cases, c.i.f. London or Liverpool, packages free in all cases. Finest water-white Italian is offered to come forward at 82*l.* 10*s.* per ton c.i.f. in tins and cases, and 75*l.* in barrels, the price showing a rising tendency. English has advanced a further 2*l.* per ton to 61*l.* for pharmaceutical, 56*l.* for first pressing, and 51*l.* for seconds, barrels included, ex mill.

CHIRETTA.—Spot sellers quote 10*d.* per lb. for fair.

COCOA BUTTER is 1*d.* per lb. higher at 1*s.* 9*d.* per lb. in not less than 1-ton lots.

COD-LIVER OIL.—The official statistics of the Norwegian cod fisheries this season up to April 30, compared with that of the previous years, are as follows :

	Catch of cod (millions)	Steam-refined cod-liver oil (hectol.)	Livers for crude oil (hectol.)
To April 30, 1921 ...	33,700	51,800	9,613
„ May 1, 1920 ...	31,150	46,615	4,963
„ „ 3, 1919 ...	18,900	24,115	3,114
„ „ 4, 1918 ...	15,335	15,218	4,173
„ „ 5, 1917 ...	21,919	32,112	3,252
„ April 29, 1916 ...	71,300	49,853	4,506

Our Bergen correspondent writes :

"The Finmarken fishery gave a satisfactory result last week also. The cod-liver oil market continues quiet without any demand from abroad. The price is consequently nominal, probably 90*s.* per barrel c.i.f. London for new non-freezing steam-refined cod-liver oil, first-class brand, will be accepted. Perhaps the high exchange for sterling may permit of a lower price." Since the above was written several London agents make the market firmer at from 90*s.* to 95*s.* per barrel c.i.f. It would appear that in consequence of a strike of transport workers in Norway consumers in London have shown more desire to fill their requirements from spot stocks, and these are in small compass at the moment, with the result that the market has appreciated about 5*s.* per barrel from its lowest.

Brödr. Aarsaether, of Aalesund (London agents, Freudentheil & Co.), in their weekly report give similar figures to the above, and add that the catch at Finmarken was quite satisfactory. The market remains quiet, although the demand seems slightly better.

COLCHICUM.—*Seed* is offered at from 2*s.* 3*d.* to 2*s.* 6*d.* per lb. and English about 5*s.* *Corm* is 1*s.* 4*d.* and English 2*s.* 3*d.* per lb.

COUMARIN is in small demand at from 10*s.* 6*d.* to 11*s.* per lb.

EGG PRODUCTS remain firm, with sellers of prime Chinese liquid yolk at 125*s.* per cwt.; for May-June shipment there are sellers at 87*s.* 6*d.* per cwt. c.i.f. Dried yolk is 5*d.* and sprayed whole egg 1*s.*; Native dried whole is 6*d.*—all spot. Prime hen albumen is 2*s.* 7*d.* per lb. on the spot and 2*s.* 7*d.* per lb. c.i.f. for April-June shipment.

ERGOT is easier, the spot value of Spanish being from 4*s.* 6*d.* to 4*s.* 9*d.* per lb. Forward prices are irregular, shippers asking for bids.

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FARINA is quiet, with Japanese No. 1 offering for April-June shipment at 18*s*. 6*d*. per cwt. c.i.f., and the spot value is 22*s*. Dutch on the spot is 19*s*. 6*d*.

GAMBOGE is easier, fair bright Siam pipe offering at 28*l*. per cwt. The London stock at the end of April was 58 packages, against 41 at the corresponding period of 1920, and the deliveries during April six packages, the arrivals being *nil*.

HELIOTROPINE is quiet at 11*s*. per lb.

HYDRASTIS is easier at about 28*s*. per lb. on the spot.

INSECT POWDER.—The prices quoted last week referred to foreign-ground powder. For English-ground, from entirely closed flowers only, the prices vary from 3*s*. to 3*s*. 4*d*. per lb., according to quantity. In response to cables, very high prices are quoted for Japanese insect flowers to arrive.

IPECACUANHA.—The London stock at the end of April consisted of 614 packages, of which 508 was Matto Grosso, 93 East Indian, eight Minas, and five Cartagena, compared with 187, 13, 45, and 16 packages respectively at the same date of 1920. The deliveries during April were 20 Matto Grosso and the arrivals 72 packages.

JUNIPER BERRIES offer at 20*s*. per cwt. c.i.f. to come forward.

LINSEED OIL.—A moderate demand has prevailed, and prices have wavered slightly from the best rates that have been realised. The undertone is tolerably steady, although there is no robust feeling of confidence in view of the rather disorganised state of the country's general trade. The linoleum industry has suffered like many others, and its takings of linseed oil will presumably be restricted for some time. Crushers, nevertheless, show more confidence, as testified by the good demand that has been going for seed in a firm market. Naked oil closes at 28*l*. 10*s*. per ton in London and 27*l*. 10*s*. in Hull.

LIQUORICE ROOT.—Italian decorticated sticks offer to come forward at 78*s*. per cwt. c.i.f., decorticated cut at 80*s*., and natural at 34*s*.; five-kilo. bundles can be had at 58*s*. 6*d*.

LYCOPODIUM is easier, with parcels about landing offering at 16*s*. per lb., prompt delivery offering at 17*s*. 6*d*. in small lots.

MENTHOL is lower at 22*s*. 6*d*. per lb. for Kobayashi-Suzuki on the spot, and for May-June shipment 18*s*. 6*d*. c.i.f. is quoted.

MERCURY has remained dull, and the limit of the leading importing firm has been gradually shaded to the extent of 10*s*., so that current quotations range from 11*l*. to 11*l*. 10*s*. per bottle. America having all the mercury which it can possibly use for some few months to come, and the export demand on this side being limited, the immediate outlook is not very promising. There is plenty of stock now to draw from in the chief quarter, and the last word in the matter of concessions has perhaps yet to be heard. British imports during April were 4,484 bottles; for January-April 1921 the imports were 10,791 bottles, against 15,023 bottles in 1920; re-exports in April were 836 bottles; for January-April 1921 the re-exports were 2,985, against 11,657 bottles for January-April 1920.

MUSK.—Advices from Shanghai indicate that practically nothing is reaching that market from the interior, owing to the unsettled conditions and petty warfare. The result is that higher prices are asked for forward shipment from China and on the spot supplies of thin skin blue Tonquin pod are in small compass.

OLIVE OIL.—The present rise in olive oil is due principally to the fact that the Italians have had a poor crop, and have been obliged, in order to meet the whole of their requirements, to make purchases abroad, particularly in Greece and Tunisia. Elsewhere the Spanish Government, which had not yet authorised the exportation of olive oil, has just granted permission for the export of some parcels, but on such conditions (export duty, departure tax, etc.) that Spanish oils quoted f.o.b. Spanish port were sensibly above the prices asked in Tunisia; therefore exporters in the latter country immediately placed themselves on the same level as the Spanish exporters. French edible is quoted at 13*s*. per gallon c.i.f. to arrive.

ORRIS.—Fair Florentine sorts are quoted at 42*s*. 6*d*. per cwt. c.i.f. and Verona at 32*s*. 6*d*. c.i.f.

SAFFRON.—Spot prices remain unchanged for Valenci at from 60*s*. to 67*s*. 6*d*. per lb. net, although it is i dicated that prices in Spain are rising, and that t equivalent of an advance of 1*s*. 6*d*. per lb. has recent been paid.

SARSAPARILLA has an easy undertone, genuine gre Jamaica offering at about 2*s*. 1*d*., native red Jamaica 1*s*. 6*d*., Lima-Jamaica at 1*s*. 10*d*., Mexican at 1*s*. 7*d*., an Honduras at 2*s*. 6*d*. The London stock at the end c April was 876 bales, against 492 bales, and the deliveri during April were 35 bales, the arrivals being 26.

SCAMMONY ROOT is cheaper, good test (19 per cent offering at 60*s*. per cwt. on the spot.

SENEGA has been in slightly better demand for expo to the Continent at from 3*s*. 3*d*. to 3*s*. 4*d*. per lb., ar for single bales 3*s*. 6*d*. is asked.

SHELLAC has been much quieter, and prices are pract cally unchanged compared with last week. The sp sales include usual standard TN Orange quality at fro 390*s*. to 400*s*.; fine lemon is 450*s*., fine second orang 420*s*., pure button RL1 420*s*., and AC cakey 300 Futures show little change on balance, the sales includin May at 350*s*. to 360*s*., and August at 305*s*. to 295*s*. T arrive, TN for May-June shipment is quoted at 270 c.i.f.

TITANIUM WHITE is lower, extra quality being held f 100*l*., and standard 75*l*. per ton landed U.K.

TURPENTINE.—The market early this week had a som what erratic appearance, business having been reported various prices from 105*s*. upward for spot and May-June d liveries, while exceptionally inflated figures are said to ha been paid in the North, where stock is probably getti rather short. A reaction is only natural, and on Wedn day the market declined to 84*s*. for spot and May-Ju delivery. Last month's imports represented the m bagatelle of 18 tons, and the total for four mont (January-April) is only 1,920 tons, which compares wi 2,677 tons and 5.097 tons respectively for the same peri in 1920 and 1913.

VALERIAN.—Belgian can be had at 65*s*. per cwt. on t spot.

WAX, BEES'.—Genuine pure Italian is offered at 14 per cwt. c.i.f.

Seeds and Spices.

ALMONDS.—Bari has been sold for arrival at about 10 to 105*s*. per cwt. c.i.f., and this has helped slightly cheapen other descriptions. The restrictions placed the use of coal and power has affected the demand.

CANARY SEED is dearer at 85*s*. per quarter for ordin and 110*s*. for good Morocco, but the higher prices manded are checking business.

CLOVES.—Zanzibar are quiet, with spot sellers at to 9½*d*. per lb., and the value of May-June shipm is 8½*d*. c.i.f.

CORIANDER SEED is steady, with a small business 9*s*. to 10*s*. per cwt. for wormy Morocco and at 18*s*. 18*s*. 6*d*. for good sound.

CUMIN SEED has been sold at 22*s*. 6*d*. to 24*s*. cwt. for fair Morocco, according to quantity, be steady.

FENUGREEK SEED continues dull of sale at 9*s*. to 1 per cwt., according to quantity and quality.

GINGER.—Jamaica is slow of sale at the advan prices asked, and stocks of sound are almost exhaust Cochin sells slowly, with sound washed rough realis fair prices. Wormy is nominal, and lower figures wo probably be accepted.

NUTMEGS are steady at about 1*s*. 1½*d*. per lb. for Sin pore or Penang 80's.

PEPPER.—Fair *black* Singapore is quiet and eas with spot sellers at 3½*d*. per lb., and May-July and Ju August shipment has been sold at 3½*d*. c.i.f. Lamp is 4½*d*., Tellicherry 4½*d*., and Aleppy is 4*d*. per lb.; spot. *White* is steady at 8¼*d*. spot for fair Munt sales of May-July and June-August have been made 7$\frac{15}{16}$*d*. to 7⅞*d*. c.i.f.; Singapore on the spot is 7⅞*d*., the value of June-August shipment is 7¾*d*. c.i.f.

PIMENTO continues dull, and prices are inclined weaken at 2⅝*d*. per lb.; May-June shipment is 23*s*. c.

Essential Oils.

BUSINESS seems to have been done on a very limited scale during the week. Ceylon citronella oil is steadier. Cassia oil is easier, and cedarwood has declined slightly. Cheap sellers of Bourbon geranium have weakened the spot position. Other oils that have moved downwards are lemongrass, nutmeg, orange, rosemary, spike, and wormseed. Japanese camphor oil has been cut, probably owing to the competition of the Chinese. Gingergrass is cheaper, and patchouli has declined sharply. Cheaper forward quotations are made for spearmint and wintergreen (sweet birch) oils.

ANISE (STAR).—"Red Ship" is quiet on the spot, with rather buyers at 2*s*. per lb. and sellers inclined to hold for 2*s*. 1*d*. To come forward is unchanged at 2*s*. c.i.f. second-hands and 2*s*. 1½*d*. first-hands.

BERGAMOT.—Demand appears to have fallen off again, but spot quotations for 37 to 39 l.a. have been maintained at from 22*s*. 6*d*. to 23*s*. per lb. To arrive prices are unchanged at from 22*s*. to 26*s*. c.i.f.

CAMPHOR.—Japanese white essential oil is cheaper on the spot, with sellers at 125*s*. per cwt. in cases.

The exports from Japan during January for the past three years were as follows:

	1919	1920	1921
Kin	53	4.358	1.218
Yen	1.259	168.991	19.605

CARAWAY is cheaper on the spot at about 7*s*. 6*d*. per lb. for rectified in quantity and 8*s*. for 28-lb. lots. Crude is quoted at about 7*s*.

CASSIA is a shade easier on the spot at from 3*s*. 11*d*. to 4*s*. per lb. for 80 to 85 c.a. To come forward the price is unchanged—about 3*s*. 5*d*. c.i.f.

CEDARWOOD is again slightly easier, 3*s*. per lb. c.i.f. being quoted, which represents about 3*s*. 1½*d*. landed.

CINNAMON.—Ceylon leaf is weak on the spot, with sellers at 5*d*. per oz.

CITRONELLA.—Ceylon seems steadier on the spot, and 2*s*. 2½*d*. per lb. is the current quotation. There does not appear to be much available. Java is quiet, and holders are not inclined to say less than 2*s*. 9*d*. for spot.

GERANIUM.—Bourbon has weakened slightly on the spot, and from 17*s*. 6*d*. to 18*s*. 6*d*. per lb. is about the value, although some sellers are holding for 20*s*. Algerian is not much inquired for, and 30*s*. is still the nominal figure.

GINGERGRASS.—"Insoluble" is cheaper on the spot at 2*s*. 6*d*. per lb. for pots.

JUNIPER-BERRY.—Considerable irregularity is shown in quotations for B.P. oil, and dealers say that good-quality oil is not readily obtainable at less than from 8*s*. 6*d*. to 9*s*. 6*d*. per lb.

LAVENDER.—French is quiet, and spot prices range from 27*s*. 6*d*. to 30*s*. per lb. for 36 to 40 per cent. ester.

LEMON.—Despite the efforts that have been in progress to maintain the values at the source, c.i.f. quotations appear to be weakening, and good brands are being offered down to 2*s*. 9*d*., while some agents have instructions to table out bids. Spot is unchanged at from 3*s*. to 3*s*. 3*d*. per lb.

LEMONGRASS.—Cochin is quiet and cheaper on the spot at from 4¼*d*. to 5*d*. per oz.

MINT.—Japanese dementholised Kobayashi-Suzuki is unchanged on the spot, with 4*s*. 3*d*. per lb. sellers. To come forward is also unchanged at 4*s*. 7½*d*. c.i.f. Spot stocks are reported to be good.

NUTMEG is weak at 7*s*. 3*d*. per lb., and for quantity this would probably be shaded.

ORANGE.—Sicilian is again cheaper, and from 12*s*. to 13*s*. per lb. is about the spot value, quotations being made on both sides of these figures. To come forward, from 13*s*. 9*d*. to 14*s*. c.i.f. is variously mentioned.

PALMAROSA.—Spot sales are reported at 16*s*. 6*d*. per lb. for pots. Some sellers, however, would accept 16*s*.

PATCHOULI has declined sharply, following lower c.i.f. prices, and 55*s*. per lb. is about the spot quotation, while less would be accepted for a line.

PEPPERMINT.—Spot quotations for American tin oil are lower at 16*s*. 6*d*. per lb., and our cable advice from New York reports a further decline to $2.50, which, on to-day's rate of exchange, is equivalent to about 12*s*. 6*d*.

ROSEMARY.—Spanish is quiet and easier on the spot at from 2*s*. 3*d*. to 2*s*. 6*d*. per lb.

SPEARMINT.—Spot sellers quote about 35*s*. per lb., but to come forward 31*s*. c.i.f. is the current quotation.

SPIKE.—Spanish is quiet and a shade easier at 4*s*. 6*d*. per lb., down to 4*s*. 3*d*. for quantity.

THYME.—The new crop should now be about due in Spain, but latest reports state that distillation has nowhere commenced, as the necessary financial support has not yet been given to the peasant distillers. The ultimate yield will probably thus be affected.

WINTERGREEN (SWEET BIRCH OIL).—To come forward quotations are lower at about 22*s*. c.i.f. Some spot-holders are, however, still quoting unchanged at about 25*s*.

WORMSEED is easier on the spot at from 19*s*. to 20*s*. per lb., and to come forward at 18*s*. c.i.f.

Pharmaceutical Chemicals.

A LITTLE more business than usual has been done during the week in this section. Values are fairly well maintained and in a number of instances quite firm. On the other hand, a few declines are recorded. Bromides, calcium lactate, potassium permanganate, B.P., methyl sulphonal, chloral hydrate, cocaine, resublimed beta-naphthol, methyl salicylate, and paraldehyde are easier. Guaiacol carbonate, sodium benzoate, and hexamine have a firmer tendency. Phenazone is steadier and phenolphthalein has hardened.

ACETANILIDE continues quiet and quotations are varying from 1*s*. 9*d*. to 2*s*. per lb. as to quantity.

ALOIN shows a fair amount of inquiry at from 5*s*. 3*d*. to 5*s*. 6*d*. per lb. for imported. Makers quote 6*s*. 3*d*.

AMIDOPYRIN is quoted round about last week's figures and is obtainable at 22*s*. to 22*s*. 6*d*. per lb.

ASPIRIN continues quite steady and it is difficult to obtain offers under 3*s*. 6*d*. to 3*s*. 9*d*. per lb. for best quality.

ATROPINE SULPHATE is quoted unchanged at 23*s*. to 23*s*. 6*d*. per oz., but is inclined to weaken.

BARBITONE continues to be offered at last week's figures of 15*s*. to 15*s*. 6*d*. per lb.; market is still quiet with values steady.

BENZOIC ACID is fairly well maintained at 2*s*. 3*d*. per lb. spot, which price is also quoted to come forward.

BENZONAPHTHOL is offering at various prices, from 8*s*. up to 9*s*. 6*d*. per lb., according to seller; market is still quiet.

BETANAPHTHOL.—Resublimed is again quoted a little cheaper this week at about 3*s*. 9*d*. per lb.

BROMIDES continue to be offered on the market very freely with a strictly limited demand. Potassium crystals and granular are readily obtainable at 10*d*. to 11*d*. per lb.; ammonium is from 1*s*. 2*d*. to 1*s*. 3*d*.; sodium is still quoted at 1*s*. 1*d*., but is far from firm at that figure.

CAFFEINE continues firm; the pure alkaloid is now quoted at 21*s*. to 21*s*. 6*d*. per lb.

CALCIUM LACTATE has eased off slightly during the week and is now offering at about 2*s*. 3*d*. per lb.

CHLORAL HYDRATE is quoted a little cheaper at 4*s*. 9*d*. to 5*s*. per lb., duty paid; demand is poor.

CITRIC ACID is well maintained at the recently advanced figure and is now firmly quoted at 2*s*. 6*d*. per lb., less 5 per cent.

COCAINE is cheaper, hydrochloride offering at 12*s*. 6*d*. per oz., and slightly less for quantity.

CODEINE.—English makers' recently reduced figures are maintained at: Crystals, 18*s*.; hydrochloride, 15*s*.; phosphate, 14*s*. per oz net.

CREAM OF TARTAR is firm and dearer at 140*l*. per ton for 99 to 100 per cent. powder, with the possibility of a further advance. A Liverpool report states that spot stocks have been seriously reduced and it is quite impossible to repeat purchases made a week or two ago.

CREOSOTE is in little demand at about 5*s*. per lb. for U.S.P. quality.

CREOSOTE CARBONATE continues fairly steady but quiet, with values unchanged at about 15*s*. 6*d*. to 16*s*. per lb.

GUAIACOL CARBONATE is steadier after the recent decline at 14*s*. 6*d*. to 14*s*. 9*d*. per lb. Further falls in value are

very unlikely, and it is quite possible that an advance will soon be experienced.

Hexamine is showing up a little firmer and is now fairly steadily quoted at 6*s*. per lb., and for a parcel on the way 5*s*. 9*d*. is asked.

Homatropine.—Hydrobromide is unchanged at 47*s*. 6*d*. to 50*s*. per oz.

Hydroquinone is a fairly steady market at 5*s*. 6*d*. to 6*s*. per lb.

Lactic Acid.—B.P. quality (sp. gr. 1.21) is cheaper at 2*s*. 6*d*. per lb. in carboys, and U.S.P. is from 2*s*. 6*d*. to 2*s*. 9*d*. per lb.

Methyl Salicylate is again this week quoted at the slightly reduced figure of 2*s*. 6*d*. to 2*s*. 8*d*. per lb.

Methyl Sulphonal, which recently firmed up and advanced, has dropped back, and is now offering at about 21*s*. to 22*s*. per lb.

Milk-sugar is cheaper, dealers offering B.P. quality at 140*s*. per cwt.

Paraformaldehyde is steadily maintained at 4*s*. per lb. on a quiet market.

Paraldehyde is a little easier and now offering at 2*s*. to 2*s*. 3*d*. per lb.

Phenacetin is steadier this week, with quotations at 7*s*. 6*d*. to 7*s*. 9*d*. per lb.; the market is not active.

Phenazone is still a little firmer, with quotations at 8*s*. 9*d*. to 9*s*. per lb.

Phenolphthalein is inclined to harden at from 4*s*. 9*d*. to 5*s*. *per lb*.

Piperazine is not in demand but is steadily offered at 4*s*. 6*d*. per oz.

Potassium Permanganate, B.P., is moving in limited quantities, and quotations are now being made from 1*s*. 9*d*. to 1*s*. 10*d*. per lb.

Potassium Sulphoguaiacolate is unchanged and quiet at 8*s*. 6*d*. to 8*s*. 9*d*. per lb.; further falls in value are very improbable.

Quinine Sulphate.—Small orders at 3*s*. 6*d*. per oz. have been difficult to fill, and 3*s*. 7*d*. is about the general quotation in outside hands.

Salicylates.—Salicylic acid, B.P., continues unchanged on a quiet market at about 1*s*. 4½*d*. to 1*s*. 6*d*. per lb.; sodium salicylate powder is also fairly steady at last week's figures of 2*s*. 6*d*. to 2*s*. 8*d*. per lb., as to quantity.

Salol continues neglected, with offers maintained at 3*s*. 3*d*. to 3*s*. 6*d*. per lb.

Santonin.—No offers are obtainable from the agents, and in dealers' hands there are very limited supplies from one source only at 65*l*. per kilo.

Silver Nitrate.—The price for crystals, based on a metal value of 35*d*. per oz., is as follows: In quantities of 25 oz., 2*s*. 3*d*. per oz.; 50 oz., 2*s*. 2½*d*.; 100 oz., 2*s*. 2*d*.; 250 oz., 2*s*. 1½*d*.; 500 oz., 2*s*. 1*d*.

Sodium Benzoate is showing up firmer and offering steadily at the advanced figure of 2*s*. 6*d*. per lb.

Sodium Diethylbarbiturate continues quiet, with values unchanged at 24*s*. 6*d*. to 25*s*. per lb.

Sulphonal is still maintained in values at about 26*s*. per lb., but the demand is poor.

Tannic Acid.—*Leviss* is quiet, with values maintained but not firm at about 5*s*. per lb.

Tartaric Acid is firm at 1*s*. 8*d*. per lb., less 5 per cent.

Thymol is neglected and nominal at about 25*s*. to 26*s*.

Vanillin is easier at 31*s*. 6*d*. to 32*s*. per lb. on the spot.

Heavy Chemicals.

May 11

There is very little of importance to record in the way of changes in the market this week. Business, due to the continued industrial stoppage, is, of course, very limited, but prices are generally well maintained at last week's figures. Formaldehyde, soda hypo., sodium prussiate, and sodium sulphite show an easier tendency.

Acetic Acid is still offering from stocks at about 45*l*. per ton for 80 per cent. technical and 55*l*. for glacial, but there is practically no demand.

Alum is neglected, with quotations maintained at 18*l*. 10*s*. per ton for lump in casks.

Arsenic continues to be uncalled for, and quotations are made at the lower figure of about 45*l*. per ton this week.

Bleaching Powder is still dull, with quotations unsteady at about 19*l*. per ton for 35 to 37 per cent.

Copper Sulphate.—The home demand is quite negligible, but there are some few export inquiries, and the recent advance in the price of bar copper is having a steadying effect. So far as can be gathered there is not a great deal of competition at anything below 32*l*. per ton f.o.b. Liverpool, less 5 per cent. in casks, while a large concern continues to quote 32*l*. to 33*l*. per ton. Last month's exports were 5,423 tons, making a total of 20,444 tons for four months, compared with 14,039 tons and 52,615 tons respectively for the same period last year and in 1913.

Epsom Salt is now offering as low as 9*l*. per ton for commercial quality in single bags; pharmaceutical quality is 10*l*. 10*s*. to 11*l*. per ton; limited inquiry is being received.

Formaldehyde is still neglected; there is no demand for offers at 100*l*. to 105*l*. per ton, small stocks only offering.

Lead Acetate continues uncalled for; values remain nominal at 50*l*. for brown broken and 56*l*. per ton for white crystals.

Lead Products.—Under the home-trade paralysis and the slow export demand due to keen foreign competition business in lead oxides and white lead has remained exceedingly light. Prices, after being stationary for some considerable time past, were revised on Tuesday, chiefly owing to the further substantial advance in the price of pig lead this week to 24*l*. per ton, which compares with 16*l*. 10*s*., the lowest recorded, not long ago. The rise enforced in red lead and litharge amounts to 1*l*. per ton, so that prices now range from 38*l*. 10*s*. to 41*l*., according to quantity, for home and export. Dry white lead is also 1*l*. dearer, with the f.o.b. export price at 42*l*. 15*s*. White lead in oil is only 5*s*. better, export terms varying from 52*l*. 5*s*. to 55*l*. 15*s*. a ton.

Lime Acetate is maintained at 15*l*. per ton for American 80 per cent. grey, but the demand is negligible.

Lithopone is only moving in limited quantities, and values remain at about last week's level of 30*l*. for 30 per cent. Continental red seal and 35*l*. per ton for green seal.

Oxalic Acid is now steadily quoted, with limited business being done at 10*d*. to 10½*d*. per lb.

Potash Caustic is still offering from limited stocks at 45*l*. to 46*l*. per ton; demand is very small.

Potassium Chlorate is still quiet, with values unchanged at 6*d*. per lb. for crystals and powder.

Potassium Permanganate.—Imported material of commercial quality is freely offering at 1*s*. 8*d*. per lb.; makers' price is maintained at 1*s*. 9*d*. Moderate business is being done.

Saltcake.—Ground and unground is a dead market. Values are nominal at 6*l*. 10*s*. in bulk and 7*l*. 10*s*. in bags, f.o.b. The demand from Sweden has dropped off altogether.

Soda Ash (58 per cent. light alkali) is inclined to be a little easier this week, but quotations are generally maintained at about 9*l*. per ton f.o.b.; makers' price for home trade only is 8*l*. 10*s*. per ton in bags.

Soda Crystals.—English makers' price continues unchanged at 7*l*. per ton in bags, carriage paid.

Sodium Caustic.—Makers' prices are 26*l*. 15*s*. per ton for 76 to 77 per cent. in large drums f.o.r., and 24*l*. 10*s*. per ton for 70 to 72 per cent., spot parcels offering at 22*l*. per ton for 70 to 72 per cent. material; American 76 per cent. quoted at competitive figures c.i.f. Continental ports and United Kingdom. Business is only very occasional for limited quantities.

Sodium Chlorate is offering on spot at about 4½*d*. per lb.; makers quote this figure also.

Sodium Hyposulphite is inclined to be a little easier this week. Pea crystals in 1-cwt. kegs are offering at about 26*s*. to 27*s*. per cwt., commercial quality in casks about 21*l*. per ton; makers' prices for the latter, 19*l*. and 26*l*. for photographic.

Sodium Nitrate continues to be offered by makers at last week's reduced figure of 20*l.* 10*s.* per ton for 96 per cent. refined material f.o.r.; the demand is not good.

Sodium Nitrite is very quiet; makers' price remains unchanged at 42*l.* per ton for 100 per cent.

Sodium Prussiate is offered by makers slightly cheaper this week, at 7¼*d.* per lb.; spot lots, for which there is practically no demand, are offering at 7½*d.*

Sodium Sulphide continues to be offered by makers at 25*l.* per ton for 60 to 65 per cent. concentrated material in casks; spot lots of 60 to 62 per cent. solid are offering, but not moving, at about 25*l.* per ton.

Sodium Sulphite.—Anhydrous is still neglected, and values are nominal at 28*l.* per ton; crystals have been reduced this week by makers to 1*s.* 5*d.* per lb.; demand is very poor.

Zinc Products.—Zinc oxide has been much quieter, due to the wretched industrial outlook, but the tone is well maintained in consequence of the continuous firmness of zinc metal. Quotations for oxide are thus: White seal, 44*l.* 10*s.* to 47*l.*; green seal, 42*l.* 10*s.* to 45*l.*; and red seal, 40*l.* per ton, delivered f.o.r. Zinc dust is neglected at previous rates, high-grade Australian standing at 55*l.* a ton and best English at 60*l.* a ton delivered.

Coal-tar Products.—Values generally continue to be quoted by holders at the recently reduced prices, and any further fall is not likely to take place. Business continues to be very unsatisfactory. Naphthaline is slightly cheaper in some qualities. Benzol continues dull, with values maintained at 2*s.* 5*d.* for 90 per cent. and 2*s.* 6*d.* for pure. Toluol is still offered at 2*s.* 8*d.* for pure and 1*s.* 6*d.* for commercial; there is but small demand. Solvent naphtha, 90 to 160, is quoted unchanged at 1*s.* 11*d.* per gallon. Creosote oil is freely offered at 7½*d.* per gallon, with a limited demand only. Carbolic-acid crystals appear to be a quiet and unsteady market, and to-day's quotation of 7½*d.* per lb. for 39° to 40° C. in large bulk packing shows signs of easing off slightly. Cresylic acid, crude, is quoted at 1*s.* 10*d.* per gallon, and 97 to 99 per cent. at 2*s.* 4*d.*; demand is very limited. Naphthaline continues to be asked for only very occasionally, and prices are easy at the following figures: Tablets, 40*l.*; flakes, 24*l.*; powder, 22*l.*; crystals, 23*l.*; and crude, 6*l.* to 9*l.* per ton. Pitch continues quite neglected; values nominal at 3*l.* per ton. Aniline oil and salt remain steadily quoted at 1*s.* 4*d.* per lb., and beta-naphthol is 1*s.* 9*d.*, with the market quiet.

Developing Export Trade.

Among the many useful services rendered by the British Chemical Trade Association, none will be appreciated more than their issue to members only of their "Confidential Status Reports" of overseas firms in the chemical and allied trades, the first batch of which is issued this week. These reports are compiled by the overseas officers of the Department of Overseas Trade, and the work involved has been considerable. As a means of developing export trade these up-to-date reports should prove invaluable. Exporting firms interested in this matter should apply to the secretary of the Association, 80 Fenchurch Street, London, E.C. 3.

Spanish Saffron Adulteration.

The Czecho-Slovak Ministry for Public Health and Body Culture publishes as a circular a statement received from the Czecho-Slovak Agricultural Attaché in Washington. The latter reports that a large consignment declared as saffron arrived in the United States from Spain, but on analysis was found to consist of the prepared flowers of some Compositæ, coloured a yellowish-red, and in addition weighted with saltpetre, glycerin, and borax, as well as being perfumed with saffron essence. The Czecho-Slovak Ministry therefore warns the political authorities, pharmacists, etc., of the republic to examine carefully all consignments of saffron from Spain, and to submit samples of any doubtful preparation for analysis to one of the official public institutions.

German Reparation Recovery.

The Prime Minister has indicated that the German Reparation Recovery levy is not likely to be abandoned at present, even though Germany has accepted the Allies' reparation terms. Meanwhile, the average delay in obtaining goods from the Customs is, on their own admission, about five weeks, and the various ports are blocked with goods. The Council of the Association of Importers and Exporters in Lancashire has issued a report, in which they state that "The experience of our members is that this tax, instead of making the Germans pay reparation, is bringing an important and profitable branch of trade to a dead standstill. Further, our ports are getting more and more blocked with arrivals of German goods ordered before that Act was passed, awaiting the decision of the Customs authorities as to whether these are taxable or not. It is causing great hardship and annoyance to our own traders, and at the same time the German goods we are refusing are being actively pushed in our own markets." The matter is further complicated by the Customs and Excise in London having to deal with decisions affecting all the outports in the U.K.

The British Chemical Trade Association is advised that payment of at least 20 per cent. must have been made previous to March 8 on any contracts for which the goods are otherwise eligible to be brought into this country free of the 50 per cent. duty prior to May 15. It was pointed out to the Board of Trade that in cases where this part payment had not been made a British firm would still be held to the contract, and the Association were advised that in such cases members could apply to the Courts to have the contract cancelled. The point of costs of such application was raised, and the Association were informed that they would have to be met by the firm making application.

Exports of Java Cinchona and Quinine in 1920.

A report published by the Department of Agriculture, Industry, and Commerce at Buitenzorg, Java, appearing in the "Board of Trade Journal" (May 5), gives the following information on the exports of cinchona and quinine in 1920. The total export of cinchona for 1920 is given as 4,526 metric tons (1 ton = 1,000 kilos.). Holland and Great Britain maintain their position as the principal buyers, but no figures of their respective totals are as yet available. Japan is reported as having imported 473 tons. The following figures give the export of cinchona for the years 1913 to 1920:

	Tons
1913	8,055
1914	6,085
1915 to 1918	no figures available
1919	5,404
1920	4,526

The total export of quinine for 1920 is given as 418,861 kilos. Egypt is reported as the principal importer with 124,607 kilos., followed by the United Kingdom with 102,477 kilos. and India with 54,869 kilos. In 1919 the four principal importers were:

	Kilos.
Holland	202,235
United Kingdom	163,200
India	74,378
United States of America	65,751

The importance which the quinine industry has assumed in Java is shown by the increase in the export figures since 1913, and is well illustrated in the following table:

	Kilos.
1913	72,507
1914	61,964
1915	82,869
1916	115,175
1917	129,890
1918	252,636
1919	640,283
1920	418,861

The figures for 1920 show a decrease from 1919 of 221,422 kilos.; it is, however, generally supposed that there is no lack of supply, but that stocks are held up in Java by the Quinine Manufacturers' Association in order to maintain the high prices now obtained for this product in foreign markets.

East Indian Sandalwood Oil.—The exports from India, during January 1921, of Mysore sandalwood oil were as follows: To the United Kingdom, 6,237 lb., valued at Rs. 155,925; France, 2,930 lb., valued at Rs. 69,000; Hong Kong, 720 lb., valued at Rs. 4,320. The exports for the ten months, April 1920 to January 1921, included the following: To United Kingdom, 109,652 lb., Rs. 27,45,600; France, 5,030 lb., Rs. 1,25,000; Straits Settlements, 190 lb., Rs. 2,300; Hong Kong, 1,290 lb., Rs. 8,880; Java, 980 lb., Rs. 20,300; Egypt, 1,190 lb., Rs. 32,825; Australia, 100 lb., Rs. 2,150.

Council Election.

Sir,—We are anxious that the Northern Counties should have a direct representative on the Pharmaceutical Council. Last year our candidate, Mr. Thomas Hardy, of Maryport, received a large number of votes. He is a candidate again this year, and we hope that he will be successful. He is a retail chemist, and has been in business for many years in Maryport, and therefore understands the difficulties and drawbacks of the rank and file of chemists. He has had considerable experience in public matters on the Cumberland Pharmaceutical Committee, Maryport Chemists' Association, the North-Western Federation, and the Local Associations Executive, and has just been elected on the newly formed Retail Pharmacists' Union Executive. He has a good grasp of pharmaceutical politics, and not only thinks clearly but can state matters concisely, while as a debater he carries conviction to his hearers. Asking members' support, we remain,

Yours faithfully,
J. H. Grayson (President),
T. W. Townley (Secretary),
Cumberland and Westmorland Chemists' Association.

Chaos at the Customs.

Sir,—I read your article under the above heading with interest, and must congratulate you on bringing before the drug-trade such an appalling state of affairs as exists at the Custom House in connection with the German Reparation (Recovery) Act. The present trade depression has severely hit many merchants; but instead of trying to help affairs, every possible difficulty has been put in the way of the importer. The treatment of merchants at the Custom House has for some years past been a scandal, and the introduction of the female element has not tended to improve matters in the least. Only recently the writer was severely rebuked for smoking in the Long Room at the Custom House (which has a stone floor), whereas behind the counter, where most important documents were on view, there was general smoking on the part of the staff, both male and female. [Smoking is now strictly prohibited.—Editor.] If one is courageous enough to protest against the amount of time wasted by these officials, retaliatory methods are adopted by making the merchant wait all the longer. Incivility is a password among these officials. In conclusion, I trust that you will always have the courage to bring similar complaints before the notice of the public, and that the trade wholeheartedly supports such publicity is evident from the comments made to the writer since your note appeared.

Yours faithfully,
Mincing Lane, E.C. Merchant (209/42).

Wages in the Retail Drug Trade.

Sir,—With reference to a paragraph in The Chemist and Druggist of May 7, p. 47, wherein a Drug Assistants' Union general secretary is stated to have affirmed that "in Scotland there were not more than three qualified managers receiving more than 6*l*. a week," we have to say that we have seventeen qualified managers in Scotland, all of whom are receiving more than 6*l*. per week, and most of them considerably more.

Yours, etc.,
For Boots Cash Chemists (Northern), Ltd.,
A. L. Milne, Secretary.

Out-of-work Pay.

Sir,—May I draw your attention, on behalf of chemists' assistants out of employment, to the fact that under the present system assistants are compelled to draw unemployment dole from the labour exchanges? As an example of the grievance I quote my own case: for over eight years in one shop—dispensing, prescribing, truss-fitting, etc., and compelled to dress accordingly. To register I have to stand out in all weathers in a long queue of sandwich-board men, casual workers, and ne'er-do-wells, the majority of whom know me well as having dispensed their Insurance scripts for many years. It is a most humiliating and degrading experience for any educated assistant, and certainly does not add to the prestige of the chemist's business. May I beg of you to use your influence towards a return to the former system, whereby the assistant was paid through his union? The secretary of our union here offers the excuse that they are unable to obtain the money from the Government. The matter only needs to be properly explained to the proper Government officials for the grievance to be redressed. I hope I shall not appeal in vain to the trade in general for support in obtaining a return to the former system. The labour exchange is for casual and daily workers. Last week I reported three times, as required on my card, yet I only received 6*s*. 8*d*., and nothing the week before, although I have been out now a fortnight. The Labour Exchange officials say I have no business there, as it is intended for a different class of men, and that I ought to receive my pay through the chemists' union.

Yours faithfully,
Southampton. Edwin Fippard.

Dangerous Drugs Act Regulations.

Sir,—The Draft Regulations under the Dangerous Drugs Act seem to have taken a back place as a topic since the setting up of a Departmental Committee to inquire into the various objections, and to the case put forward by the bodies affected, the feeling being that with the arrival of the Committee the urgency has departed. But this is far from the actual state of affairs, as it appears that even if the Home Office accept the findings of the Committee it is not a *sine qua non* that they will be incorporated in the Regulations in an acceptable form, and further, there is no necessity for any fresh notice to be given; all that has to be done now is to lay the Regulations on the table of the House of Commons, when they automatically become law, and no one can make any protest or take any steps to secure fresh alterations if required. This means, of course, that we are practically where we were to start with, but what is most serious to pharmacists is the fact that it is understood that the Committee do not attach much importance to their claim that the Pharmacy Act provides a statutory right for registered chemists and druggists to sell their drugs in conformity with the Act, and if this part of the Regulations is adhered to our vital objection that it supersedes an Act of Parliament is overruled. And there is, of course, the probability that once on the Statute Book other drugs may be added to the schedule without further argument.

Yours faithfully,
Ultra Vires (7/5).

What is an Association?

Sir,—Allow me to suggest a new conundrum: When is an Association not an Association? When it's a Retail Pharmacists' Union. "Xrayser II." asks if an Association can remain one and be a branch of the Retail Pharmacists' Union at the same time. I do not see why it cannot if it is careful to remember when it is Hyde and when it is Jekyll. We have heard a lot about the position of those members of Associations who are non-proprietors, but in the one to which I belong there is, I believe, only one non-proprietor subscriber, or at the most two, and with the exception of those Associations which run a junior section as well I should say that this proportion would hold good in the majority of cases. Is it likely, therefore, that proprietors will continue to support these bodies for the benefit of one or two members in each district, especially as all the four classes of activity mentioned by the President can be equally well carried out by the local Retail Pharmacists' Union. Personally, although I did not approve of many of the details in the formation of the Retail Pharmacists' Union, now that the organisation has been started, I am prepared to see it supported to the best of our ability, as I think with many others that whatever our sentimental feelings may be to our *alma mater*, we shall do well to rid ourselves of the Society's control, or any suggestion of it, when dealing with business interests.

Yours faithfully,
A. M. Fibious (19/9).

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Floor Covering for the Pharmacy.

J. W. B. (22/3) writes asking opinions as to the most ıitable floor-covering for shop (chemist and post-office ›mbined) which is used by hundreds daily. He finds lino-um, even of good quality, quickly wears out, and he onders if some composition of tiling would be suitable. e wants something that will not look out of place in chemist's shop. We shall be glad if our readers will ve us their experience on this matter.

A Window Attraction.

Mr. Norton D. Desborough, The Modern Pharmacy, 0 Poole Road, Branksome, recommends as a shop-window traction an exhibition of "Palestine bees" or "Cali-rnian bees," the new name for the old ginger-beer ant. The lumps of ferment resemble pearl-barley, and e placed with sweetened water in glass jars. During e day the lumps of ferment are in constant motion, a arkling beverage resulting. Mr. Desborough's exhibit s attracted the attention of the local Press. If any emist desires to carry out the idea, Mr. Desborough tells he will gladly send a few lumps so that a commence-ent may be made. The ferment multiplies rapidly in gar and water.

Sports for Chemists.

Some time ago you gave prominence to a suggestion of r. Campion, M.P.S., of Old Kent Road, London, S.E., regard to the inauguration of a cricket and tennis ıb among the pharmacists and their assistants (either x) of South-East London. I regret to say that only ıe tendered their names to Mr. Campion out of the ıole district. This is a very small proportion of our ofession to be interested in sports, so I would like to ıke another appeal to the younger generation of pharma-ts to join. Dulwich Park, S.E., has been suggested a suitable sports ground where we could gather together. ill those interested please tender their names either to r. Campion or to me, c/o Cook, Emerson & Co., 1 Queen's Road, Peckham, London, S.E. 15?—*Elwyn illiams.*

Further Details on Cancer.

The following is a short list of the chief forms of cancer: rcoma, carcinoma, scirrhus, adenoma, and rodent ulcer. ncer, particularly of the sarcoma type—which is a soft, oid growth developing upon a muscle, or upon a bony rtilage, fed with an abundant blood supply—may de-op in persons at any period of life, under certain con-ions, such as injury to the generative organs, or due to ything that will cause sterility in an individual. When e germ cells situated in various parts of the body become re active, this type in its early stages appears to be e to an undue amount of amyloptic secretion (or may be e to glycogen substitution by sugar purified with lead ts) until it reaches the reversion stage, when any or all the other forms may manifest themselves, depending on the state of the original germ cell, as these cells con-n all the essentials for reproducing the various body sues in an unbalanced form. The more sterile a nation ds to become the more it becomes subject to cancer. It ıot essential for sterility to have developed so long as the ly changes are taking upon them these changes. rility may be induced. The chromosomes of the sperm s, or of the ovum, become unbalanced, so that fertilisa-ı cannot take place, and the body becomes excessively rged with acid, when a growth may be produced in any m cell while such conditions predominate. Meat ob-ıed from animals which have been unduly hungered is rt of vitamines and the necessary salts carried by the od—phosphates, chlorides, etc., of lime, potash, and a. Flesh of this description may have a tendency to ease acid formation and deposit of fibrin. The same arks apply to vegetables that have been kept too long, organic changes have developed when they become ıered, with subsequent loss of essential feeding erial.—*J. H. Huck.*

Legal Queries.

F. W. (6/5).—If you place your name in the possessive case before the name of a "known, admitted, and approved" remedy you are claiming proprietary rights and will require to stamp the remedy.

W. B. (7/5).—Without knowing the composition of the "fever cure" we cannot say why it is sold unstamped. It may be simply a solution of a chemical in water, and on that account entitled to the exemption in favour of entire drugs.

G. H. S. C. (4/5).—It was a recommendation of the Departmental Committee appointed by the Board of Agriculture in 1901 that the use of preservatives and colouring in milk be prohibited. This interpretation is generally accepted in prosecutions under the Sale of Food and Drugs Acts.

Cameron (9/5).—(1) The Proprietary Medicines Bill, which proposes to prohibit the sale of preventives and remedies for consumption, is not to be proceeded with in Parliament for the present. (2) The Dangerous Drugs Act Regulations propose to render illegal the retail sale of preparations containing one-fifth per cent. of morphine, so that if the Regulations become law the proportion of morphine in the preparation may need revision.

S. K. (7/5).—A corporate body which desires to carry on the business of a chemist and druggist must have a qualified chemist in control of the keeping, retailing, and dispensing of poisons, and the name of the "superintendent" must be forwarded to the registrar of the Pharmaceutical Society for registration. The chemist's certificate of qualification must be conspicuously exhibited in the shop in which the business is conducted. If the company uses the description "chemist and druggist," the superintendent must be a director of the company. He need not necessarily be a shareholder.

W. K. O. (4/5) let a house on a seven years' lease, which expires on June 24 next, the rent being 35*l.* per annum. The tenant refuses either to buy the house or to vacate it, and "W. K. O." asks what is the maximum amount by which the present rent may be increased, and what notice must be given. [The rent may be increased by 5 per cent. as from the expiration of the lease, and by a further 10 per cent. as from July 2. In addition, the rent may be increased by an amount not exceeding 25 per cent. in respect of repairs; the full 25 per cent. being permitted only if "W. K. O." is responsible for all the repairs. If "W. K. O." and his tenant cannot agree as to the amount of increase in this connection, the point must be settled by the County Court. We assume that the tenant pays the rates. No increase can take effect until after a month's notice, in the prescribed form, has been given to the tenant.]

Income Tax (6/5) sends returns of his business income from years 1912 to 1920 inclusive, with the triennial averages as given for income-tax purposes, and he asks if he is liable to excess-profits duty on the ground that the actual income for last year exceeds by more than 200*l.* his pre-war income. He wishes to know if the average income or the actual income for the year is that which is taken for the duty. [Although the income for the purposes of excess-profits duty is computed on the same principles as income for the purposes of income-tax, the income taken is that for the accounting year, not the average of the three previous years as in the case of income-tax. Then again, the pre-war standard with which the income is compared is the average of any two of the last pre-war trade years which the taxpayer may select. The difference between the income for the year of assessment is then compared with the pre-war standard income as thus ascertained, and if it exceeds this standard by more than 200*l.*, *plus* one-fifth of the difference between the assessed income and 4,000*l.*, excess-profits duty is chargeable on the excess. In this case the pre-war standard is 361*l.* 15*s.*, the assessable income for year 1920 is 615*l.* 5*s.*, so that after the statutory allowances have been made no excess-profits duty is payable by "Income Tax."]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

W. H. B. (7/5).—Books on Elementary Botany.—Edmonds' "Elementary Botany" (Longmans, 4*s.*); Bower and Gwynne-Vaughan's "Practical Botany for Beginners" (Macmillan, 4*s.*).

Llafand (2/4).—We think the use of chloroform water (B.P. '85) in place of plain water in the cough-mixture would be the best preservative. An alternative plan would be to increase the quantity of glycerin.

A. H. S. (5/4).—Sunburn Lotion.—The following are useful formulas :

I.		II.	
Zinci oxid.	... ʒj.	Ac. hydrochlor.	... ʒss.
Boracis ...	... ℥ss.	Ac. citrici	... ʒij.
Glycerini ...	... ℥ij.	Glycerini ...	... ℥j.
Ext. jasmin	... ℥j.	Ess. rosæ alb.	... ℥j
Sp. myrciæ	... ℥iij.	Sp. rectif.	... ℥j.
Aq. dest. ad	... ℥xx.	Aq. dest. ad	... ℥viij.

H. B. (5/4).—Mist. Tuss. Rub.—The following are representative formulas for *Red Cough Mixture* :

I.		II.	
Vin. ipecac.	... ʒiv.	Vin. opii ...	... ʒvj.
Syr. tolu. ...	... ℥iv.	Vin. antim.	... ℥j.
Syr. rhœados	... ℥vj.	Sp. chlorof.	... ℥j.
Aq. ad ...	... ℥xvj.	Ac. sulph. arom.	... ℥ss.
		Syr. rhœados	... ℥iij.
Dose : Adults, two teaspoonfuls three times a day.		Syr. pruni virg.	... ℥iij.
		Syr. simpl. ad	... ℥xx.
		Dose : ʒj. ter in die.	

W. T. H. (30/4).—Chest and Lung Balsam.—The formula for which you ask is as follows :

Linseed	℥ij.
Extract of liquorice	... ℥iv.
Oil of aniseed ...	... ʒij.
Oxymel of squills ...	... Ovj.
Syrup of tolu ...	... Oij.
Tincture of capsicum	... ℥j.
Treacle	... Ovj.
Distilled water ...	... Oiv.

Mix.

F. C. (30/4).—Dry Rot.—The best treatment for dry rot in wood is to cut away all the decayed portion and burn it, taking care that all dust is collected and dealt with. It is comparatively easy to protect wood against dry rot by creasoting it or painting it with a solution of corrosive sublimate (6 oz.) in methylated spirit (1 gallon). Vigorous treatment is necessary where woodwork has been attacked, as the dry rot will spread throughout the house in time. A useful leaflet (No. 113) on dry rot is issued gratis by the Board of Agriculture and Fisheries, Whitehall Place, London, S.W.

H. B. (1/5).—We publish a book on window-dressing for chemists ("Chemists' Windows," post free 4*s.*). Good books on salesmanship are "Selling" (System Co., Chicago) and Corbion & Grimsdale's "Salesmanship" (Pitman & Sons, 2*s.* 6*d.*).

P. H. (22/4).—The standard work on disinfectants is Dr. S. Rideal's "Disinfection and Disinfectants," published by the Sanitary Publishing Co., Ltd. You should also read the chapter on disinfectants in "Pharmaceutical Formulas."

J. C. C. (22/4).—Books on Optics.—"The Chemist-Optician," which we published some years ago, is out of print, but copies may often be obtained by advertising in the *C. & D. Supplement*. Other books are "The Optician's Handbook" ("The Optician," 123-5 Fleet Street, London, E.C.) and Laurance's "General and Practical Optics" and "Visual Optics and Sight-testing" (the School of Optics, Ltd., 2 Guilford Place, London, W.C., 21*s.* each).

C. H. (18/4).—The chief point to observe in preparing a dentifrice with a kieselguhr basis is to overcome the fluffiness by adding a heavier earth, such as Kaolin. The proportion depends upon the physical condition of the kieselguhr.

W. S. (2/5).—Embalming-fluid.—The fluids used by undertakers to preserve corpses contain formaldehyde, the following being a representative formula :

Formalin	11 lb.
Glycerin	4 lb.
Sodium borate	2½ lb.
Boric acid	1 lb.
Potassium nitrate	2½ lb.
Eosin solution (1 per cent.)	1 oz.
Water to make	8 gals.

The formalin, eosin solution, and glycerin are added to the solution of the solids.

Rhei (26/4).—Ammonium-Chloride Inhaler.—In considering the question of combination you appear to have overlooked the fact that the vapour tension of hydrochloric-acid solution is small compared with that of ammonia. Consequently, the idea of diluting the liq. ammon. is to reduce the tension of the ammoniacal solution so that when the apparatus is in use the volume of NH_3 does not greatly exceed the amount necessary for chemical union. It is obviously difficult to obtain molecular proportions under every circumstance regardless of temperature and other conditions under which the apparatus is used. With a 1 to 6 liq. ammon. a slight excess of ammonia is probable at certain temperatures, but the small amount will be readily absorbed by the moisture in the sponge.

Rollon (3/5).—Alcoolat de Menthe is prepared by macerating for four days

Fresh flowering tops of peppermint	... 1,000 gram.
Alcohol (80 per cent.)	... 3,000 gram.
Distilled peppermint water ...	... 1,000 gram.

Then distilling until 2,500 grams of alcoolat is obtained.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," May 15, 187

The Poison Regulations.

However disappointed the public may have been at the collapse of the compulsory Poisons Regulation scheme which, according to some of the medical organs, has long been one of their cherished hopes, it is evident that the calamity has been borne with a stoical fortitude. We have heard of no indignation meetings, nor probably has any chemist throughout the land had a *bona-fide* complaint made to him on the subject. Further still, we doubt whether any man, woman, or child, unconnected with the medical profession, or the Privy Council, and outside the trade has cared or known enough about poisons regulations to have introduced the subject into his or her conversation since the Pharmaceutical Council decided to "break faith" with the Legislature. The "Standard" of April 17, and the "Pall Mall Gazette" of May 4, contained articles commenting severely on the conduct of the Council and of the trade. Let us see for one moment what is proved by the insertion of these articles. It is quite evident that they were the result of "communications," and, not to mince the matter, it is extremely probable that the "communications" came from the Medical Department of the Privy Council. If this is correct, we may certainly suppose that communications" were also made to the other London daily papers . . . These two papers, then, are the only organs of public opinion of any position, as far as we know, that have commented on the rejection of the compulsory system. And circumstances considered, it does not seem quite as if the proves the report of public alarm. Mr. Simon is at present full of work occasioned by the vaccination business. When he gets a little spare time he will doubtless come back to the druggists. . . . If, however, a bill should be brought in, it must in all reason include the medical profession, and then the majority of those gentlemen will probably, as in former times, forget their anxiety for the public welfare and combine with the druggists to oppose a system which would affect their occupation far more than it could do the business of a chemist and druggist.

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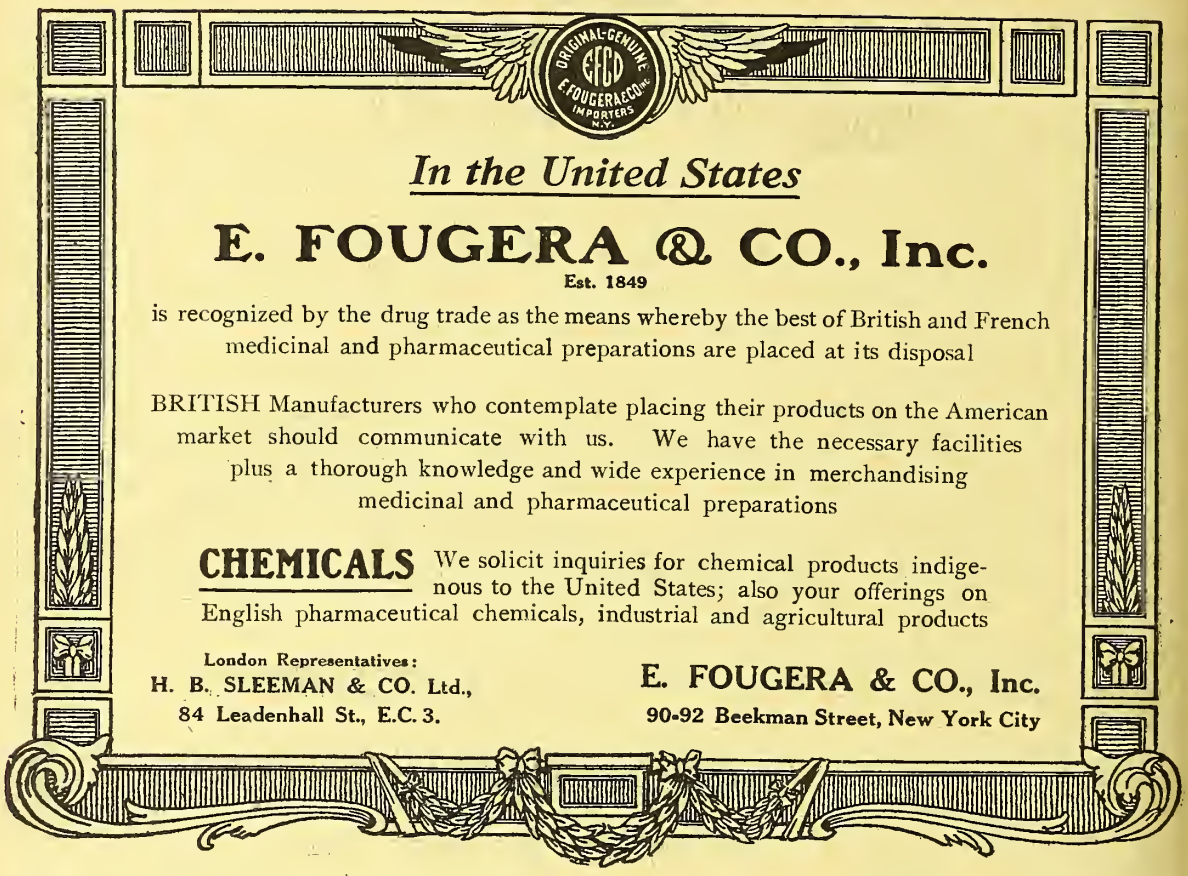

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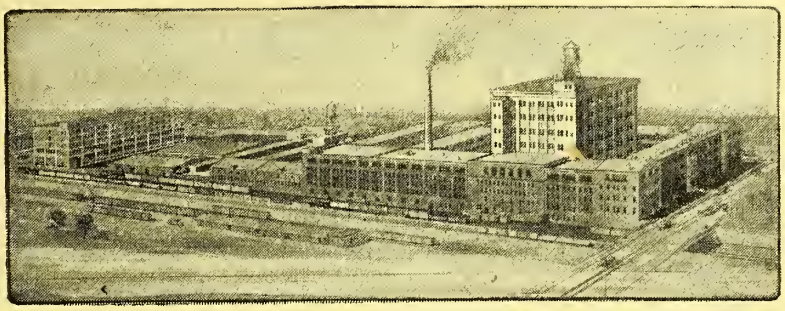

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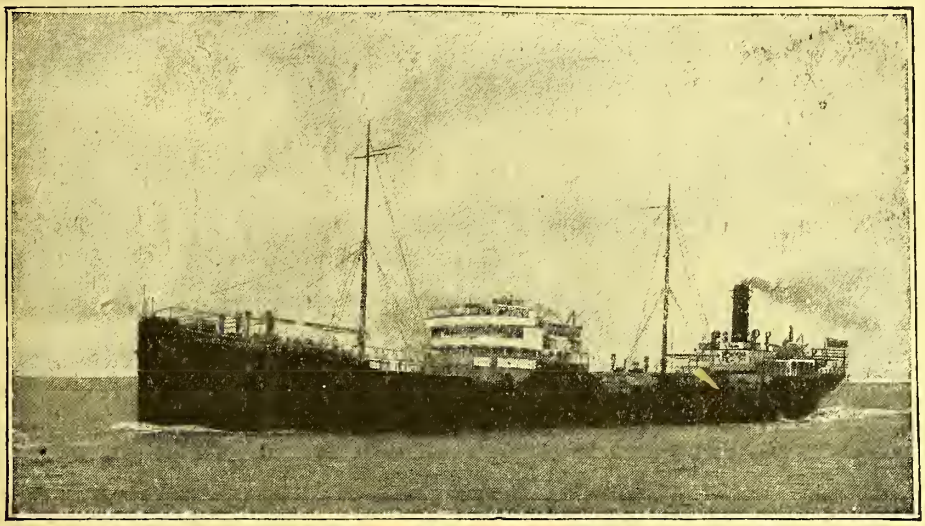

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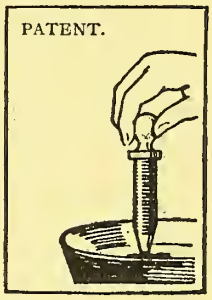

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(Can be sold by Chemists without Licence)

Prices: **Small Size** (12 to Gallon) **31/6** doz.
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We import the Wine specially for the manufacture of this Beef and Malt Wine, and offer a sound and well-flavoured product at the cheapest possible price consistent with the excellent quality.

We have a variety of labels, and would be pleased to submit same to you for your selection, together with a sample of the Wine.

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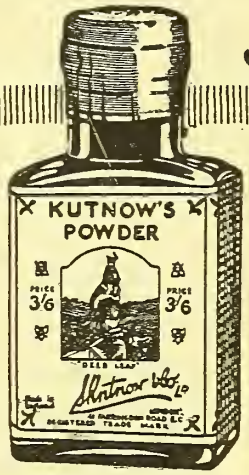
All over the World



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THE BEST AND SAFEST INFANTS' MEDICINE OF OVER 120 YEARS' STANDING.

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DOES NOT CONTAIN any SCHEDULED POISON.

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Sells readily ALL the time.

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It has been established by law that Registered Chemists may sell "Wincarnis with Quinine" *without* a licence.

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THIS MEANS THAT

Mason's Extract of Herbs

Will be in big demand this season

and chemists are requested to replenish their stocks.

Send for Price List to

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NOTTINGHAM.

Dr Hale's VIN-SANGUIS WINE FOR THE BLOOD

Fountain of Health

If you have a Wine License we will pay the fee. If not, get one, we will pay license.

Send for any further particulars

You agree to display "Vin Sanguis" always. You give us an agreed initial order. You always keep stock

PROPRIETORS OF DR. HALE'S VIN-SANGUIS

Transcontinental Agencies Ld.

14, Southampton St., London, W.C.2

Essences

Essential Oils

and

Aromatics

for all purposes.

PREPARED BY

A. Boake, Roberts

& CO. LTD.,

100 CARPENTERS ROAD, STRATFORD, E. 15.

Telephones: East 846, 847. Broadway 2440, 2441.

Telegrams: "Boake, Strat, London."

BISHOP'S NATURAL FRUIT SALINE

What it is.

BISHOP'S
Natural Fruit Saline

is free from sugar or saccharine, yet makes a delightfully palatable beverage. Clears the liver and kidneys, and acts as a mild aperient. It is manufactured in small granules and keeps well in any climate.

It pays to push BISHOP'S !

What it costs.

BISHOP'S
Natural Fruit Saline

retails at 2/3 per bottle P.A.T.A.

Wholesale price, 20/- per dozen.

5 dozen - -	£5 0 0
10% discount	10 0
Net	£4 10 0

Carriage Paid.

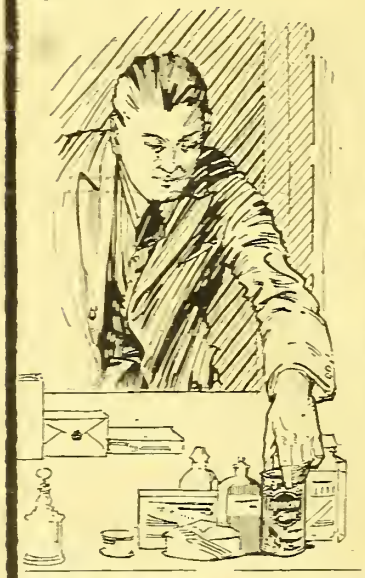
Thus showing a profit of 9d. per bottle.

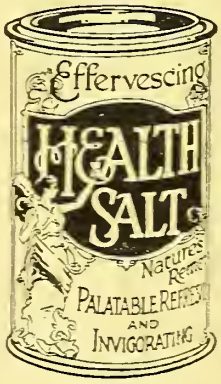
Attractive show material and price cards sent with each order.

PREPARED ONLY BY **ALFRED BISHOP, LIMITED,** 48 Spelman St., LONDON, E.1

You can meet any competition with our new

HEALTH SALTS





A fine white mobile Powder, dissolving with sustained effervescence.

Packed in Handsome Decorated Tins, rendered air-tight by our special process.

Contents guaranteed 4 oz. net weight.

May we send you Sample Tin and quotation?

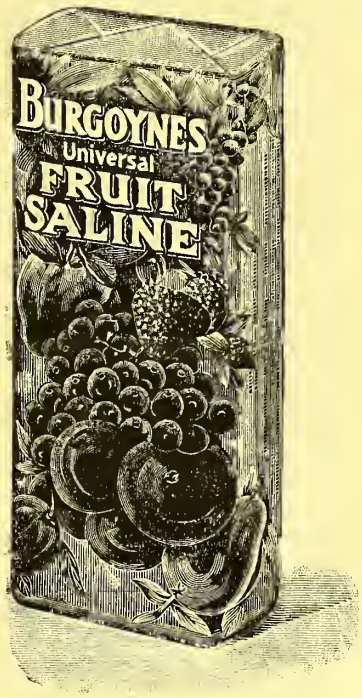
CHEMISTS

LORIMER-MARSHALL LTD.
12, TOWER HILL, LONDON, E.C.3

GIVE A WINDOW DISPLAY.

BURGOYNE'S UNIVERSAL FRUIT SALINE

A QUICK SALE CERTAIN.



9½D. PROFIT

ON EACH BOTTLE.

NEW CUSTOMERS TO YOUR PHARMACY.

RETAIL PRICE 2/3 PER BOTTLE.

WRITE FOR TERMS and SPECIMEN WRAPPER.

BURGOYNE, BURBIDGES & Co., Ltd.

EAST HAM - - - LONDON, E.

J. H. HAYWOOD, LTD.

CASTLE GATE, NOTTINGHAM.

INVENTORS OF SEAMLESS ELASTIC HOSIERY.

SURGICAL APPLIANCE MANUFACTURERS.

Specialities:

Abdominal Belts, Trusses, Suspensory Bandages, Braces, Elastic Web Bandages, and Druggists' Sundries.

WRITE FOR PRICE LIST. ESTABLISHED 1833. TELEGRAMS: "APPLIANCE NOTTINGHAM."

FOR

TRUSSES

TRY THE MAKERS:—

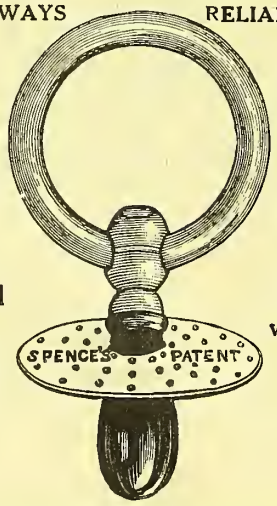
SAYERS, SILCOX, CUZNER & CO., LTD.,

14, 15, 16 PROSPECT STREET, HULL.

SPENCE'S SOOTHERS

ALWAYS RELIABLE.

This is a Speciality of ours—Best Quality Well-Fitted and Attractively Carded.



Stocked in 95 Varieties. All Good Selling Lines and well-known to the Public.

A complete set of Samples can be sent upon receipt of Postal Order value 24/1 Net.
£1 orders and over, less 5% cash with order.
Carriage paid on 40/- orders and over.
Write for new List of Prices—many reductions.

H. B. SPENCE, 44 THORNE ROAD, SOUTH LAMBETH, S.W.8

Telephone: Brixton 1772.

For GUARANTEED

ATOMIZERS and SPRAYS

THE DEVILBISS CO., LIMITED
WEST DRAYTON, MIDDLESEX.

John E. Raworth & Moss

Chartered Patent Agents.

Patents, Designs and Trade Marks.

75 Victoria Street, London, S.W. 1.

AN INVITATION to the Chemist and Druggist to write us for samples and prices of

BRITISH MANUFACTURED

RUBBER SURGICAL GOODS

Superfine quality and cheaper than imported.

No Order too Large. No Order too Small.

We appreciate your enquiries.

The Kenley Seamless Rubber Works,

67 LOWER ADDISCOMBE ROAD, EAST CROYDON.

A SATISFIED CUSTOMER IS THE CHEMIST'S BEST ADVERTISEMENT

The Marvel Whirling Spray Syringe

Gold Medal Awarded, Paris, 1902, by the Société d'Hygiene of France

as the latest and best improvement in Vaginal Syringes. Particular attention is called to the fact that by reason of its peculiar construction the Marvel Syringe dilates and flushes the vagina with a volume of whirling spray, which smooths out the folds and permits the injection to come into contact with and cleansing the entire surface.

Fully Protected by Patents.

You can safely recommend it.

Has no rival on the market, is well advertised, pays a good profit, quality guaranteed. The MARVEL is returnable for exchange if found defective and reported promptly.

Trade price, 125/- per doz.

Retail price, 15/- each.

FASSETT & JOHNSON, Ltd.

86 Clerkenwell Rd., London, E.C. 1.

HN MILNER & CO. Orient Works, Matilda St., **SHEFFIELD**

Invite enquiries from Home and Export Buyers of

Photographic Print Trimmers, Retouching Knives and Botanical Knives

("Intrinsic" Brand)

3 I.132. HIGHEST GRADE. I.133. I.117.

e above are 4 examples from our full series, an ustrated list of which will be sent on request.

SELF-FIXING
HERMETIC
WASHABLE
BOTTLE CAPS
ARE
ELEGANT
EFFICIENT
STRONGEST
CHEAPEST
and BEST.
IMMEDIATE DELIVERY.
CARRIAGE PAID.
The VISCOSE Development Co., Ltd.
BROMLEY :: KENT.

CURASOL

THE ORIGINAL

Boracic Socks

Fixed Selling Price, 6d. per pair.
Cost, 4/- per dozen.
Six dozen lots, 46/- per gross.

Distributing Agents :

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For Sample Pair (state size) send Postcard to—

The Curasol Sock Co.
19/20 Garlick Hill - - LONDON, E.C.4.

SPONGES!!

Excellent Value in Honey Comb

4/6 6/6 9/- 12/6 15/-
18/- 24/- 30/- 36/- 48/-
54/- 60/- 66/- doz.

TURKEY 4/- 9/- 12/6 doz.

do. (cups) 24/- 45/- 72/- doz.

LOOFAHS 8×10" 2/- 10×12" 2/6 14×16" 5/- doz.

And all Sundries at Right Prices.

THOMAS SWALES,

Druggists' Sundriesman,

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Telephone: 22260 Leeds.

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YOUR INQUIRIES SOLICITED.

IMMEDIATE DELIVERY.

ARTHUR BERTON, Ltd.

15-17 Worship Street, LONDON, E.C. 2.

MANCHESTER and GLASGOW

77 Lower Chatham Street. 11 Miller Street.

Telegrams: "Aybelim, Finsquare, London."

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ELASTIC GUM SURGICAL INSTRUMENTS.

Catheters and Bougies, in Black or Brown Gum, and Finest Silk Web. Specula, Rectal and Œsophageal Instruments, Horse Catheters and Cattle Probangs. Wholesale and Export only. *Price List from the Manufacturers.*

MASON BROS. & CHAPMAN, 107 Whitecross St, LONDON, E.C. 1.

RUSSIAN LIQUID B.P PARAFFIN

THE GENUINE RUSSIAN OIL

"Liquipar" Brand.

S.G. 860/70 870/80 880/90

In 40-gallon Steel Containers, 10 and 5-gallon drums, and in Bottles.

HERTZ & CO., 9 Mincing Lane, E.C. 3

Established 1878.

Phone: 10607 Central. Telegrams: "Freshness London." [6]

MORRIS, LITTLE & SON, Ltd., DONCASTER

SHEEP DIPS Poisonous and Non-Poisonous of all kinds.

DISINFECTANT SOAPS of all kinds.

Sole Proprietors and Manufacturers of PHENOID (formerly called PHENYLE).

DISINFECTANTS of all kinds, including LYSOL SUBSTITUTE and High Co-Efficients.

Largest Makers of Non-Poisonous Sheep Dip in the World.

MENTION

ROBINSON'S MAKE

WHEN ORDERING FROM YOUR WHOLESALE HOUSE YOUR NEXT SUPPLY OF

PILL BOXES

BRITISH MADE BY BRITISH LABOUR

SUPPORT HOME INDUSTRIES.

ROBINSON & SONS, Ltd.

BOXMAKERS TO THE CHEMIST TRADE

CHESTERFIELD.

Follow the Drummer

This month is specially propitious for your Window Display in the

DRUMMER DYES

WINDOW DRESSING COMPETITION

For the illustration above is appearing in the May Fashion Papers and Women's Magazines. Proving by a special window display that you follow the Drummer will, of a certainty, result in extraordinarily good trade, and establish yours as a Drummer Dye shop.

Official Entry Form must be obtained from the Drummer Dyes manufacturers, Wm. Edge & Sons, Ltd., Drummer Dye Works, Bolton, who will supply with same a schedule of conditions covering details of a Special BONUS SCHEME. But every entry must be on an Official Entry Form.

Judgment will be given on the following points :

Originality, Simplicity, Strength of Trade Name, Economy Suggestions, Value as a Seller of Drummer Dyes.

"Give me the old Drummer again !"

Window Dressing Competition Prizes

1st Prize ...	... £100
2nd „ ...	... £50
3rd „ ...	... £30
4th „ ...	... £20
5th „ ...	... £10
6th „ ...	... £8
20 at £5 ...	... £100
100 at £1 ...	... £100

A Special Prize of £10 to be awarded for the best original "Slogan" used in the window.

Special Prizes to Wholesale Houses supplying 1st, 2nd, & 3rd prizewinners with Drummer Dyes :

1st Prize, £50 ; 2nd Prize, £30 ; 3rd Prize, £20

c4

DRUMMER DYES

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The Market should know of the existence of your goods

Ford, Shapland & Co. Ltd.

LABEL AND GENERAL PRINTERS
GT. TURNSTILE HIGH HOLBORN. W.C.1.

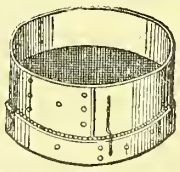
TELEGRAMS: FORSHAPCO WESTCENT, LONDON

TELEPHONE: CITY 65

Tin Canisters

If you want a really first-class article at a low price, send us your enquiries. Large quantities of both lacquered and decorated Stock Design Tins suitable for Health Salts, Ointments, Solid Brilliantines, etc. Must be cleared. PRICE NO OBJECT.

HORNBY & Co. (Dept. T), 36 High St., HULL



For your **Sieves and Wire Gauze** try the actual Makers!

S. RAMSEY & CO.,

198/202 ST. JOHN STREET, E.C. 1.

Telegrams: "Methodical, Smith, London." Telephone: Holborn 6337 (3 lines).

OAKEY'S
"WELLINGTON" KNIFE POLISH

The original and only reliable preparation for Cleaning and Polishing Cutlery, &c.

In Canisters, 1d., 2d., 3d., 6d., 1s., 2s. 6d., and 4s. each.

JOHN OAKEY & SONS, Lim.

MANUFACTURERS OF

Emery Cloth, Black Lead

GLASS PAPER, &c.

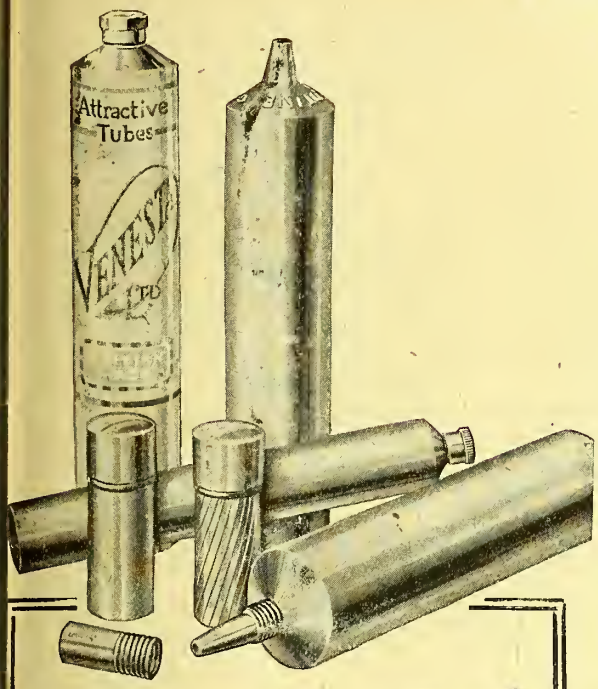
"WELLINGTON" KNIFE POLISH
The Original Preparation for Cleaning Cutlery. Canisters, 1d., 2d., 3d., 6d., 1s., 2s. 6d., and 4s. each.

SILVERSMITHS' SOAP
For Cleaning & Polishing Silver, Electro-Plate, etc. Tablets, 6d.

"WELLINGTON" BLACK LEAD
In Solid Blocks, 1d., 2d., and 4d. each, and 1s. Boxes.

Polishing Paste, Furniture Polish, Plate Powder, Rouge, Urn Powder, Steel Polish, Crocus, Tripoli, Brunswick Black.

Westminster Bridge Road, LONDON, S.E. 1.



Venesta Tubes

When ordering your next supply of tubes remember that Venesta collapsible tubes possess a quality and finish that make them a real selling force.

They are made from Pure Tin, Lead or Lead-coated with Tin and supplied plain or enamelled and printed with designs to suit customers' own requirements.

We also supply Lip-salve Cases, Sprinklers, etc., and shall be pleased to forward illustrated lists, samples and current prices on application to—

G. Dept.

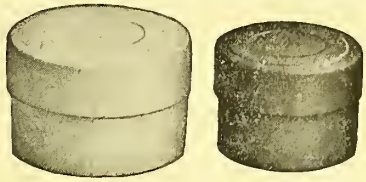
VENESTA LTD.

1 Great Tower St., London, E.C. 3

Telephone - - - London Wall 4760 (5 lines).
Telegrams - - "Venesta, Bilgate, London."

Also Makers of Tin Foil—Plain, Coloured & Embossed.

"Corruganza" SEAMLESS PILL BOXES.



THE phenomenal success of the "Corruganza" Seamless Ointment Boxes has induced us to offer a series of Pill Boxes made on the same **One-Piece** principle. Stocked in usual sizes.

They cost a little more than the Ring and Disc style, but THEY HOLD THE GOODS, and do not fall to pieces in handling or in the pocket.

"Corruganza" SEAMLESS OINTMENT BOXES

Have replaced the old willow boxes.

The bottoms cannot fall out.

Greaseproof.

Manufacturers of all kinds of Cardboard Boxes, Folding Packets, Tubes and Canisters, Fibre-Board Packing Cases, Corrugated Paper, &c.

Wholesale or Export only from

HUGH STEVENSON & SONS,

LIMITED.

Summerstown Works, London, S.W.17

And at Manchester, Birmingham, Leith, Perth & Glasgow.

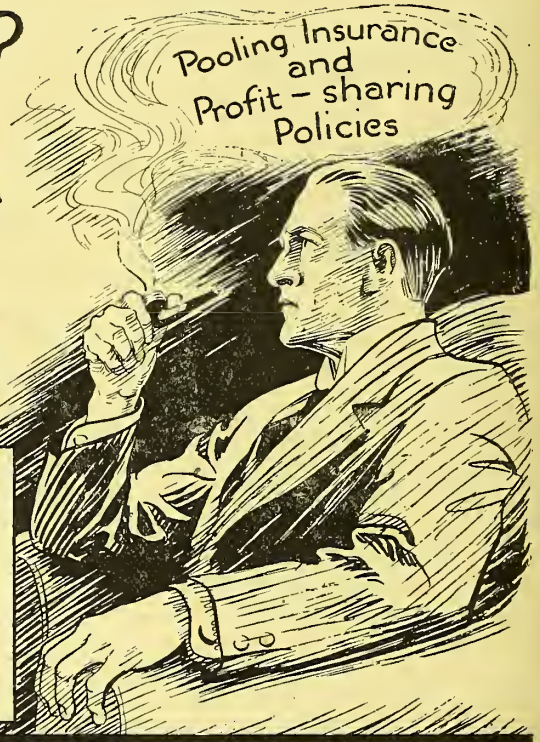
Kindly mention this Journal when replying to the advertisement.

Why worry about every individual risk?

Take out a

Pool COMPREHENSIVE SHOPKEEPERS Policy

Which covers them all



Fire, Burglary and Housebreaking, Loss of Rent and Profits, Plate Glass, Employers' Liability, Public Liability, Third Party Drivers, Lightning, Thunderbolt, Earthquake, Subterranean Fire, Gas Explosions, Bursting of Waterpipes and Boilers following Frost and Explosion, Storm Flood or Tempest, War Aircraft, Bombardment, Riots, Strikes, Civil Commotion, etc., etc., at rates according to trade.

THE LICENSES & GENERAL INSURANCE CO. LTD.,
VICTORIA EMBANKMENT,
Next TEMPLE STATION, W.C.2.

ANNUAL BONUSES

GLASS BOTTLES for ALL TRADES, at CUT PRICES, IN STOCK.

ESTABLISHED 1880.

TRADE MARK

Limes, Kalis, Essences, Panelled and Plain Flats, Ovals, Mexicans, Medicals, Lubins, Poisons, Corn Solvents, Salines, Carlsbad Squares (with and without Stoppers), Mag, Cits. Rounds, Lysol Bottles in fine Amber, Tablet Bottles, Provence Oil Bottles, Fancy Salad Creams, &c. &c.

SPECIAL SHAPES Made to Order.

A. Ruch & Co., Ld.

Geo. G. Forsyth,

28 MARTIN LANE, CANNON STREET, LONDON, E.C. 4.

Telegrams—"Sennock, Cannon, London."
Telephone—Central 4799.

Cellophane

What Is It?

CELLOPHANE

is a transparent film of pure Cellulose, **absolutely** air, grease, and odour proof, **unaffected** by cold, heat or moisture, and **sterilisable.**

An **ideal wrapping** for Drugs, Tablets, Bath Crystals, Perfumery, Provisions, Sweets, Surgical Dressings, Articles of Toilet, &c. &c.

Will keep your Goods, Boxes, Bottles, and delicate Labels **clean** on the Counter and in Shop Windows, allowing the Articles to be seen **by transparency.** Can be had colourless, coloured and embossed.

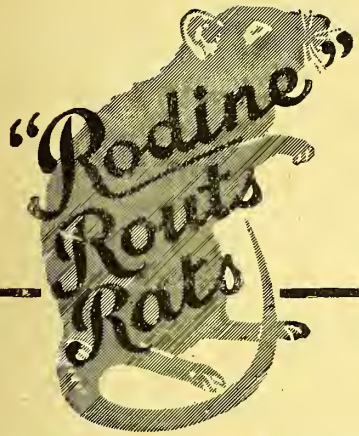
Also in the shape of **Labels** for Bottles, and **Discs** for Creams, Ointments, Boot Polish, &c.

Cello-Dressings—The best substitutes for Gutta Percha and Oiled Silk. Ask for explanatory circular.

Prices, Samples and Particulars from

The CELLOPHANE COMPANY

(Leclercq & Charerat),
Bolton House, Cullum Street, LONDON, E.C. 3.



When the Rats return so do the customers-for "RODINE."

Mr. C. Wass, Chemist, Holbeach, writes:—April 14th, "I might add that your 'RODINE' Rat Poison is the one that sells with me. I recommend it when asked for Poison, and my customers come again for it till they have finished off the vermin, and when the Rats return so do the customers."

"RODINE" routs Rats completely. It is extensively and attractively advertised, price protected and yields nearly 100% profit. Write for terms to the Maker

T. HARLEY, Manufacturing Chemist, **PERTH, Scotland.**

TOMLINSON & HAYWARD, Ld.
Established 1842. **LINCOLN.**

WATERGLASS
HAYWARD'S DIPS
EUREKA WEED KILLER
SEED DRESSINGS, &c. &c.

SPECIAL PACKING. *OWN NAME.*
WRITE FOR PARTICULARS.

BATTLE'S
WEED KILLERS
LIQUID & POWDER.

PACKED UNDER CHEMIST'S OWN NAME

Write for Particulars.

BATTLE, MALTBY & BOWER,
Victoria Chemical Works, LINCOLN.

SHOP FRONTS
INTERIOR FITTINGS.
Pharmacies Designed and Fitted.
Glass Facias and Signs.
Personal Supervision. *Best Workmanship.*
H. MILLS & SONS
The Premier
CHEMISTS' SHOPFITTERS,
163-165 Old Street, LONDON, E.C. 1
Factories - - ISLINGTON, N.

CHEMISTS' SHOPFITTINGS

WANTED.—Every Chemist requiring Shopfittings to send for my estimate; you *can't* do better. I shall be pleased to send you rough sketches free on receipt of particulars. Over 30 years' experience.

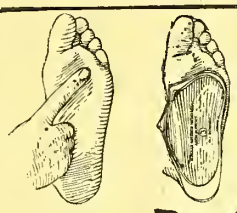
Glass Showcases, Drugfittings, Dispensing Screens, Window Enclosures, Glass Shelves, Wall Cases, Perfume Cases, Plate Glass Front Counters, Drawers, &c., at lowest prices.

NOTE ADDRESS—
GEORGE COOK,
The Chemists' Working Shopfitter,
29 MACCLESFIELD STREET, CITY RD., LONDON, E.C.

TINS Plain and Decorated, Airtight, Lever & Hinged-Lid Containers, Japanned Medical Cabinets, Toilet Utensils.

G. H. WILLIAMSON & SON'S LTD.

Providence Works, Worcester. **Linacre Lane, Bootle.**



PAIN OR PRESSURE THERE

can be instantly and finally corrected by the use of Dr. Scholl's Anterior Metatarsal Arch Supports which are specially constructed to deal with ailments at the ball of the foot.

Dr Scholl's
Foot Comfort Appliances

are being widely advertised in all the leading newspapers and periodicals. Are you in a position to handle the increased demand created by this National Advertising Campaign?
Write to-day for Illustrated Catalogue.
THE SCHOLL MFG. CO. LTD., 1-4 Giltspur Street, E.C. 1.

BARTONS BRITISH ALBUMS

BARTONS BRITISH MOUNTS BIRMINGHAM

BRITISH

SPECIAL OFFER

We believe that our Albums have only to be examined to demonstrate the undoubted fact that for value and artistic merit

BARTONS BRITISH ALBUMS ARE PRE-EMINENT

In order that live dealers should have this opportunity, we are making the following offer:-

We will send Carriage Paid, to your door Case Free a £5 net. parcel of assorted styles upon receipt of cash or approved trade references. In addition we will include *without charge* a specimen of each of two recent productions namely:-

THE "NOCTURNE" ALBUM and THE "NEGRO" ALBUM.

all black Albums with artistic surfaced leaves, Gilt Blocked Covers with cords to match, together with specimen sets of our new and latest range of Art Boards, Papers and Tints and a sample "Quadro" Frame (metal passe partout) with cut-out mount for the Amateur.

Before placing your season's order send for one of our special £5 parcels.

BARTONS (BIRMINGHAM) LTD.,
COSWAY WORKS, HANDSWORTH, BIRMINGHAM.

P.A.T.A. NOTICE.

18 Tavistock Square, W.C. 1.

May 14, 1921.

The following revised prices are now in force :

Advertised Price.		Minimum Retail Price.	Minimum Wholesale Price.
Pearson's Antiseptic Co. Ltd.'s Preps.:			
10d.	Pearson's Lysol (4 oz. bots.)	10d.	7/- doz.
1/6	,, ,, (8 oz. ,,)	1/6	12/3 ,,
2/6	,, ,, (16 oz. ,,)	2/6	21/3 ,,

Revised prices to public come into force on May 28, 1921.

Manufacturers of TOILET & PERFUMERY articles of a Proprietary character, sold largely in the Drug Trade, are cordially invited to place these preparations on the Protected List.

All enquiries on the subject to the Secretary will be promptly attended to.

HAVE IT ON 14 DAYS' TRIAL!

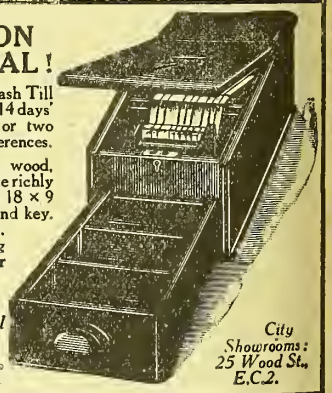
The "Improved Dudley" Cash Till No.CD/3304 will be sent on 14 days' trial on receipt of Cash or two wholesale London trade references.

Made from well-seasoned wood, stained and polished to imitate richly coloured mahogany. Size 18 × 9 × 7½. Lid fitted with lock and key. Recording paper 3⅛" wide. Automatically rings warning bell every time cash drawer is opened.

85/- each.

"Improved Dudley" Till Coils 5/- doz.

DUDLEY & COMPANY,
HOLLOWAY, LONDON, N.7



City Showrooms: 25 Wood St., E.C.2.

CAPPING SKINS

WHITE AND COLOURED SPLITS, OPAQUE AND TRANSPARENT BAUDRUCHE. SPRINKLERS. GLASS BOTTLES OF ALL DESCRIPTIONS

ARTHUR TOOMBS & CO., Perfumers' Sundriesmen
26-27 Bush Lane, Cannon St., LONDON, E.C.4.

Telephone: Central 13374.
Telegraphic Address: "Deflection, Cannon, London."

"It Satisfies the Ideal of Every Photographer."

Equally Suitable for—

PLATES
FILMS
LANTERN SLIDES
BROMIDE AND
GASLIGHT PAPERS,
Etc.

GOES FURTHEST
KEEPS LONGEST
COSTS LEAST

Write for free sample bottle and test it in your own dark room.

THE NEW UNIVERSAL DEVELOPER.

THE COOPER LABORATORY

(Chemicals and By-Products, Ltd.)

WATFORD.

24 HOURS' SERVICE FILMS & PRINTING

Enlarging in all Processes. Postcard Printing and Novelties in Portraiture.

SPEED AND QUALITY.

Send for Price List and Trade Terms to-day.

"WHITES" (J. & P. White & Co.)

118 Great Ducie Street, MANCHESTER

Telep.—4827 Central. Tel. Address—"Studio."

DEVELOPING

AND PRINTING ROLL FILMS.

Join the live wire service, All work returned same day.

PRICE RIGHT—QUALITY UNEQUALLED.

Write for List "J" to-day.

WALLACE HEATON LTD.

CHANGE ALLEY, SHEFFIELD.

To ensure the best results, forward your Films to

FOX

Developing & Printing
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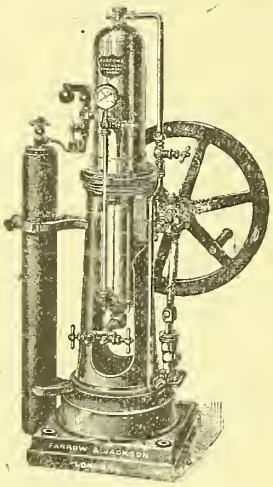

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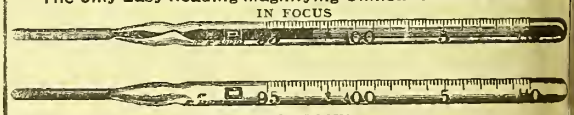

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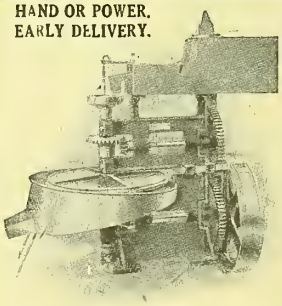

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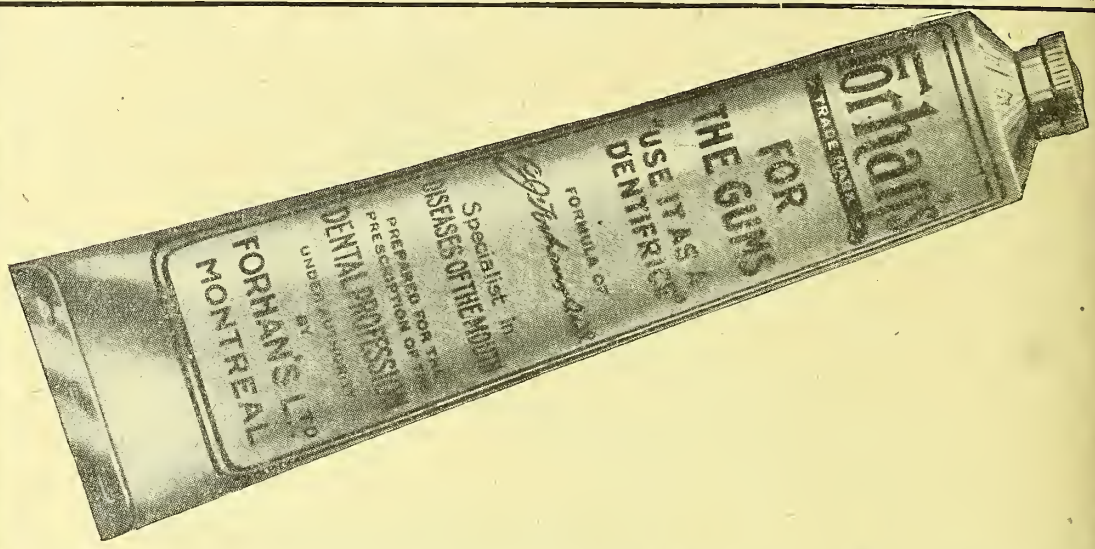

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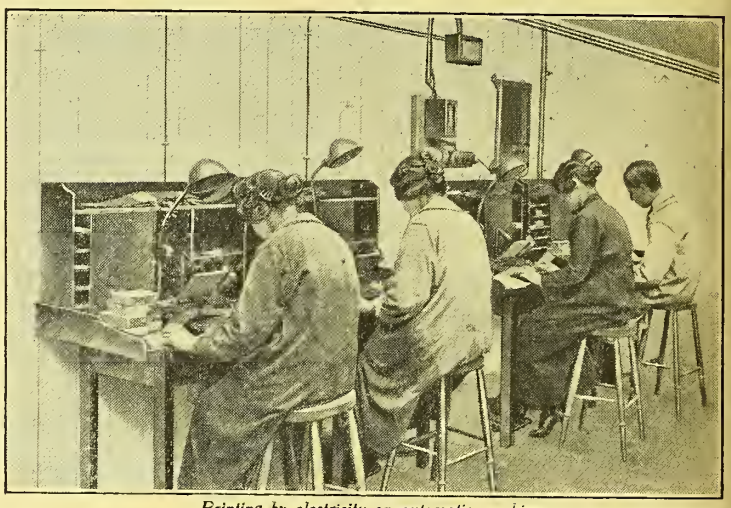

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LEGAL.

IN THE HIGH COURT OF JUSTICE IN IRELA
CHANCERY DIVISION.

IN THE MATTER OF KILOH & CO. LIMITE
AND IN THE MATTER OF THE COMPANIES (CONSOL
ACT 1908.

NOTICE IS HEREBY GIVEN that a Petition w 15th day of April 1921 presented to the High Justice in Ireland by the above-named Company to Special Resolution of the said Company duly passed quently confirmed at Extraordinary General Meeting Company regularly held for that purpose which Resol as follows: "That the provisions of the Memorandum "tion of the Coy. be altered with respect to the "the Company by adding to sub-clause 21 of Clause "said Memorandum the words 'and to guarantee th "of any principal money or interest or both due by an "person or persons having dealings with the Coy. o "on a business or businesses similar to any carried "Company and to secure such payment by the iss "Debentures charging all or any of the Company's "including its uncalled capital.'"

And Notice is Hereby Further Given that the said directed to be heard before the Right Hon. the Mas Rolls on Tuesday the 7th day of June 1921 and an of the said Company desirous to oppose the making o for the confirmation of the said Resolution should app time of said hearing by himself or his Solicitor for th

A copy of said Petition will be furnished to any su requiring same by the undermentioned Solicitor for th on payment of the regulated charge for same.

Dated 5th day of May 1921.

WILLIAM MORROGH,
Solicitor for said

40 North St. George's Street,
Dublin.

SALES BY AUCTION.

SWINDON.

G. ADAMS will Offer for Sale by Auction on 25th MAY,
CAPITAL CORNER BUSINESS PREMISES
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n may be acquired.
er particulars and conditions of Sale from Mr. A. Ernest
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ASHIRE.—For Sale, small Drug Stores, through death; sh Retail Business, capable of extension; good living dation; business carried on by late owner 30 years; possession on completion. Apply Mrs. R. Woods, Bird rug Stores, off Broadgate, Preston.

GH-CLASS Retail Dispensing and Photographic Business, uated in best position in loading South Coast seaside large double-fronted shop, well fitted and fully stocked; gency; very little booking; returns £5,000, and increas- pe for considerable increase; house accommodation; no tendance. Address inquiries, with references, to A. 25 Park Crescent, Brighton.

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Sale, Drug Stores; lock-up, large corner shop, glass- ered yard, large basement; main road, London; excep- pportunity; takings last year £1,300, at 45 per cent.; man could increase double; splendid opening for N.H.I., Dental, or Photography; no opposition; price £1,000. (98/35), Office of this Paper.

NT Medicine for Sale; unique, unusually good, registered de-mark name; all rights, formula, printed matter without r's name; packing material and stock; ready to put on ket; splendid opportunity. Apply 94/5, Office of this

FOR SALE.

RING LINE.—40 gross enamelled pure tin Dental Cream bes, size 4 × 1, and 20 gross similar Tubes, size 4½ × 0s. per gross; the Tube-filling Machine (Centrac) and price £8; also 20 gross white-lined Auters, 9 × 6¾ × 1, isions for 12; 10s. gross. Apply 99/200, Office of this

STOCKED.—2 doz. Waverly Hot-water Bottles, new, × 12, 54s. per doz.; 1 gross Snowleen, 60s.; ⅙ doz. 9s. 6d. ½ doz. 5s. ditto, 1½ doz. 3s. ditto, 1½ doz. 2s. ditto, e value, new this week, just exchanged by makers for ; two Vee Dee Vibrators, second-hand, 4s. each; ten y Boxes, five each Jewel Cases and cedar-lined Cigarette, each, cost 12s.; Chewing Gum, Adams & Beemans, at half face value; about ½-owt. Sulph. Rotund, half price; two Pulsicons, second-hand, 4s. each; 4 dozen Porcelain Bead Chains, 40s. doz., cost 80s., assorted ℥j Hydrastin, half wholesale price; 1-lb. Formalin ant Tablets, half face value; all in excellent condition; deposit system. Jones, Chemist, Waterford.

OLEUM Jelly, light Amber, 1½ barrels (about 5-cwt.), 60s. per owt., carriage paid. Skuse & Co., Lansdowne W. 8.

ollowing second-hand Shop Fittings are offered for Sale: Wall Case, Three Counter Cases, One Dispensing Screen, Shop Rounds. Apply Chemist, 93 Leadenhall Street,

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BUSINESSES WANTED.

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BUSINESS required; returns about £1,000 to £2,000; suburban, seaside, or within 50 miles of London; good house accommodation essential; banker's reference. "Statim," 76 High Street, Wimbledon. 'Phone: 543.

CHEMIST'S Business required in or within 50 miles of London. Apply 97/14, Office of this Paper.

GENUINE Business required, returning about £1,500 a year, with good scope for increase; London or suburbs. State full particulars as to price, etc., in confidence, to "Alpha" (96/40), Office of this Paper.

GOOD-CLASS Dispensing and General Retail Business in South of England, coast preferred; turnover £2,000 to £3,000 per annum, with scope for increase; spot cash; banker's reference. Full particulars in strict confidence to 97/23, Office of this Paper.

SMALL Business required, preferably South Wales or near; returns about £1,000 a year; neglected business not objected to if scope for increase; cash available; please give full particulars, which will be treated in strict confidence. Apply 97/11, Office of this Paper.

SOUND Retail Chemist's Business; turnover £1,500 to £2,000; Home Counties or any residential town; or £10 offered for opening for new Business, if acted upon. Replies, in strict confidence, 91/28, Office of this Paper.

WANTED, Drug Stores or Chemist's Business, with living accommodation; South Coast preferred, but not essential; cash available £300. Send full particulars in strict confidence to "Sussex" (96/4), Office of this Paper.

WANTED, genuine good-class Business, taking £4,000 to £5,000 per annum; main road, London or South Coast town; quick cash trade; must be well fitted, and with good window-space; immediate cash for suitable business. Replies, in confidence, to 98/15, Office of this Paper.

£10 WILL be given for introduction to good Business for sale, if acted upon; net profits £500-£600 a year; suburb, or within 50 miles of London; living accommodation essential. Apply 97/36, Office of this Paper.

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AGENT wanted, calling on Chemists, South and East Coasts, to sell a good line of Bottled Toilet Preparations, on commission. Apply, by letter, The Parkside Manufacturing Co., 122 Petherton Road, N. 5.

ENGLISH Representatives of large Toilet Soap Manufacturers and Perfumers invite applications for Agencies from Wholesale houses in London and provinces; only first-class firms need apply. Full particulars to L. Garvin & Co., 96-98 Leadenhall Street, London, E.C. 3.

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6s. for 50 words or less; 6d. for every additional 10 words or less; prepaid.

AN opportunity is offered to an energetic and enterprising man to obtain a partnership in an old-established and select Dispensing Business, with a Branch, in a popular health resort; there is a good house available; capital required, £2,250. Apply to "Pharmakos," c/o B. D. H., Graham Street, London, N. 1.

PREMISES FOR SALE.

FOR SALE,

large and commodious modern Factory Premises, situated off Clerkenwell Road, near Farringdon Street Station, in centre of Wholesale Drug trade. Floor space about 30,000 square feet, well built, under L.C.C. requirements, electric lift. Two stone staircases, extensive and light basement, with ground floor and three floors above, central heating all through building. All floors concrete, covered with timber flooring. This factory to-day would cost over £100,000 to build. Owner would accept £50,000 or near offer, and willing to leave two-thirds on mortgage, or would be willing to let on reasonable terms. Apply "J. C. C.," 97 High Holborn.

SITUATIONS OPEN.

RETAIL.

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BIRMINGHAM.—Qualified, young, energetic, experienced man for Middle-class quick trade; must be good Window-dresser and know Photographic, of gentlemanly appearance and address; best references essential. Full particulars to J. W. Atkinson, Rexall Pharmacy, Six Ways, Birmingham.

BOURNEMOUTH.—Qualified Assistant wanted; gentleman or lady; must be interested and capable of entire charge; Light Retail Dispensing and Photographic Business. State particulars of total experience, age, salary required, etc., by letter, to Wrench, 7 Charminster Road, Bournemouth.

COUNTY BOROUGH OF WEST HAM.

MUNICIPAL TECHNICAL INSTITUTE, ROMFORD ROAD, STRATFORD, E. 15.

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If convenient, the same individual may hold all three appointments. Major qualification preferred.

Applications, on forms to be obtained from the Principal, Municipal Technical Institute, Romford Road, E. 15, should be sent in by 31st May, 1921.

DEVON.—Wanted, an Assistant for a first-class Dispensing and Retail business. Apply, stating height, age, salary required, experience, and usual particulars, to 97/21, Office of this Paper.

DURHAM CITY. Wanted, qualified Chemist, to manage Retail Department. Full particulars to Holiday's Cash Chemists, Ltd., The Claypath Pharmacy, Durham.

LONDON, N.E.—Manager, about 30 years of age; must be thoroughly up in Photographic and used to quick up-to-date business; start 30th instant. Apply 98/8, Office of this Paper.

LONDON, W.—Unqualified Assistant (male) required at once for Dispensing and Counter; moderate hours; outdoors. Apply, giving full particulars in first instance, to 98/13, Office of this Paper.

MIDLANDS.—Excellent opening for a first-class qualified Manager possessing good knowledge of Optics; permanent and progressive post with liberal interest in the profits. Apply 97/161, Office of this Paper.

NORFOLK COAST.—A Junior (must be a neat, accurate, and willing worker), for good-class Dispensing, Retail, and Photographic Business. Full particulars, with photograph, stating when disengaged, salary required (outdoors), and references, P. Cadman, Chemist, Sheringham.

ST. THOMAS'S HOSPITAL, S.E. 1.—Dispenser (male), Pharmaceutical qualification, for about five months. Apply, by letter, stating age, experience, etc., to J. A. Jennings, Pharmaceutist.

S.E. SUBURB.—Smart, unqualified Relief Assistant (gentleman) for month of July; state salary, two last references. "X. Y. Z." (97/34), Office of this Paper.

SOUTH WALES.—Qualified Manager, must speak Welsh; excellent opening; permanency to the right man with liberal interest in the profits; house free. Apply 97/16, Office of this Paper.

ASSISTANT or Junior Assistant required in good-class country business in small town; when answering please state salary required, experience, age, height, and when disengaged. Harold Smith, Chemist, Cirencester.

ASSISTANT for developing and printing mainly. Kindly send particulars of experience, salary, etc., to J. Monk-Jones, Chemist, Teignmouth.

ASSISTANT, unqualified, smart appearance; neat, accurate Dispenser; good Salesman; live out; easy hours; comfortable berth; if personal interview cannot be arranged please send usual particulars and enclose photo, to be returned. Knight, Stevenage, Herts.

ASSISTANT, unqualified (as early as possible), for Dispensing, Counter, and Photography; comfortable berth for suitable man. Particulars as to age, salary, and experience, to Cook, 74 Mountgrove Road, Finsbury Park.

CAPABLE, energetic Assistant; lady or gentleman; good pensing and Photography essential; no Sunday duty; salary required and previous experience. Apply 96/37, Offic this Paper.

CAPABLE Assistant; good Dispenser, Salesman, and Win dresser essential; state full particulars and salary (outdo photo if possible. "Suburb," c/o Southall Bros. & Barclay, L Priory, Birmingham.

COMPETENT Junior Assistant (gentleman) for Dispensing high-class Retail; good Salesman and Window-dresser; be quick, neat, and industrious. Apply, giving full particu age, salary required (outdoors), to T. Parsons, Chemist, S oaks, Kent.

COMPETENT Assistant wanted; good knowledge of Photogr essential. Kindly send full particulars, including age perience, reference, salary, etc., to Sayer's Cash Pharmacy High Street, Peckham, S.E. 15.

JUNIOR or Improver wanted, willing to make himself gene useful; Dispensing, Counter, Stock, and Photogra Apply, giving full particulars of past experience and salar quired, to Pryors, 60 High Street, Beckenham.

JUNIOR Assistant wanted, male or female, for Light R Counter, Dispensing, and Stock; must be capable and reli Please apply, giving full particulars as to age, experience, salary required, to Gibbs, Chemist, Berkhamsted.

LADY Assistant required; must be reliable Dispenser, with General knowledge and experience. State full particu salary, etc., to R. E. Gibbins, Ashtead, Surrey.

LADY Dispenser, qualified; first-class Dispensing experi Apply, with references and stating salary required, C Maries, Pharmacist, Waterloo, Liverpool.

QUALIFIED lady or gentleman for 8 or 9 days middle near Pontypridd; state terms. Apply 42/378, Office of Paper.

QUALIFIED Assistant wanted, experienced, neat and acc Dispenser; Agriculture, Photography; capable of ta charge (good-class Agricultural district); must have first- references; applications not answered in a week respect declined. Full particulars in first letter, Gwillim, Pharm Brecon.

QUALIFIED Locum wanted (immediately) for about months. Full particulars, R. E. Entwistle, Ltd., Che and Druggists, Accrington, Lancs.

QUALIFIED Manager required for Branch, with knowl of Photography; easy hours and no Sunday duty. A with particulars as to salary, etc., T. Lawrence, New St Sandwich.

QUALIFIED Manager wanted at once for good-class I Retail and Dispensing business in London suburb; mus an energetic man, with good recent references. Apply, with particulars, to 99/8, Office of this Paper.

THOMPSON & CAPPER, LTD., have a vacancy for an qualified Assistant with experience of the Photogr business. Apply, giving usual particulars, experience, etc., photograph, to Thompson & Capper, Ltd., Manesty Build College Lane, Liverpool.

UNQUALIFIED Assistant, single, good Photographic ex ence, for relief work, commencing June 13th; state s required. Apply 97/160, Office of this Paper.

UNQUALIFIED gentleman Assistant required for evenings and Sunday duty one in three; London; state exper and salary required. Apply 96/39, Office of this Paper.

WANTED, qualified Assistant with good experience for Pharmacy; sound knowledge of Photography, Optics able; good Window-dresser; state age, experience, and salar quired; references; must be abstainer; coast town, South W Apply 97/2, Office of this Paper.

WANTED, Junior Assistant, good all-round man, used to working-class trade. All particulars to Cumming, Che Crewe.

WANTED, smart Junior Assistant, unqualified, with Ag tural, Dispensing, and Photographic experience; Window-dresser; abstainer preferred. Send full particulars perience, references, and salary required (photo if possible Walker & Kirkness, Ashford, Kent.

WANTED (immediately), good, reliable Junior Assistant; have fair knowledge Dispensing, Galenicals and Stock gentlemanly, quick and obliging; high-class business; age 23 to 25. Goodess, The City Pharmacy, 25 Market S Leicester.

WANTED, a lady as part-time Dispenser (Apothecaries' for Islington Medical Mission; Monday and Wednesd to 6 o'clock, Saturday 12 to 2, 7s. 6d. a week. Apply, by to Miss Brown, 13 Windsor Street, Essex Road, Islington,

WANTED, qualified man, about 40 to 48, to cover and good Assistant for three or four months; duties not h must be accustomed to good-class Dispensing and Light R good references essential. 97/32, Office of this Paper.

ANTED (at once), qualified Manager to manage Branch business, middle-class Prescribing, ready-money, and Photo-ic, with N.H.I. Dispensing; state terms, age, previous ex-nce, when disengaged; references must be good. Apply M., roydon Road, Penge, S.E.

ANTED (immediately), all-round, reliable Assistant (out-doors) for Dispensing and Retail business. Apply, with full culars, Lloyd, 267 King's Road, Chelsea, S.W.

ANTED, for the two weeks ending July 9th, in the North of England, a qualified Dispenser as Locum-Tenens. Apply 5, Office of this Paper.

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EXPERIENCED Male Clerk, used to dealing with returns and exchanges, for London Patent Medicine House. State experience and salary required. Reply to 45/14B, Office of this Paper.

REWOMAN; Drug, Perfumery, etc., Finishing and Packing, in Pimlico; not under 25, and must have had at least five ' experience as a Forewoman; state age, experience, and s required. Apply 1/27A, Office of this Paper.

RFUMERY.—Competent Representative required by leading firm of Toilet Goods, Essential Oil and Perfume Manufac-s, for London and South Coast; must be expert Salesman and ood address. Apply, giving fullest particulars, to P.C.B. 1, Office of this Paper.

RFUMERY, TOILET ARTICLES, ETC.—Wanted, a Repre-sentative, to travel South London, all Chemists, Hair-ers, and Stores, on salary and commission; must be smart with full knowledge of business. Apply "A. B. C." (15/47), of this Paper.

RFUMERY.—Wanted, Representative with a thorough know-ledge of Perfumery trade, to travel Yorkshire and Newcastle ct; salary and commission. Apply "A. B. C." (15/470), of this Paper.

PRESENTATIVE wanted for Wales, for well-known packed line in Drugs; good commission; Warwickshire, Gloucester-, Shropshire, Worcestershire, and Hertfordshire also open. y 34/36R, Office of this Paper.

PRESENTATIVES on commission required to carry Paper and Bags as side-line. State full details in confidence to A, Office of this Paper.

PRESENTATIVES, calling on Chemists, requiring reliable selling lines in Fine Chemicals, in regular use at exceptional s, on profitable basis. Write 33/35R, Office of this Paper.

PRESENTATIVES required by manufacturers for quick-selling line; small samples; liberal terms of commission. icants must have sound connections with Chemists and allied s. Write, stating grounds covered, experience, references, 96/7, Office of this Paper.

PRESENTATIVES required for Midlands, Southern Coun-ties, Wales, and Ireland, to sell, on commission, Fine icals, Tablets, and high-class Proprietary lines of ready state references and lines at present represented. Pierson, ell & Co., Ltd., Chemical Manufacturers, Barnet.

QUIRED, reliable Travellers, to cover the whole of Great Britain and Ireland, on commission only; latest American ties in Arch Cushions, Heel Cushions, and Bunion Protec-good margin to Retailers. Write, in confidence, stating represented, ground covered, and references, J. E. Franklin, Harrington Street, Regent's Park, London, N.W. 1.

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Advertisers in this section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

SMART man wanted for Export Department of large Oil concern; foreign languages essential. Write Box 00766, c/o Dawson's, 121 Cannon Street, London, E.C. 4.

TRAVELLER wanted for Yorkshire, for sale of Dyes and Colours, chiefly in the non-textile trades; connection with Leather, Varnish, Polish, Ink, Cabinet, and allied trades preferred; good opening for thoroughly qualified man with undeniable references. State full particulars to 43/24W, Office of this Paper.

TRAVELLERS wanted already calling on Chemists and Hairdressers, to carry additional lines on commission; lines well advertised, in regular demand all the year round, and manufactured by an established firm of repute; state particulars of ground covered and lines carried, etc. Apply 96/17, Office of this Paper.

TWO Representatives, with connections amongst Chemists and Herbalists, wanted to work respectively Midland and Northern Counties, by North Country Drug House, offering Drugs, Packed Specialities, Herbs, Compressed Tablets, and every-day Sundries, etc., to both the Retail and Wholesale trade. Send all particulars (in confidence) to 96/5, Office of this Paper.

WANTED, London, also country, Chemists' Salesmen to obtain orders for new prescription being well advertised; must be willing to work on commission; £1 a week expenses. Give full particulars, Box 111, c/o Pool's, 180 Fleet Street, E.C. 4.

WANTED, an intelligent Granulator, for careful work; a good appointment for an accurate and responsible man. Apply Mr. W. B. Cartwright, Cragmere.

WANTED, by London Wholesale Druggists, a competent man, with Major qualification, to supervise in Laboratory; must be used to the manufacture of Galenicals on large scale. State age, experience, and salary required, to 43/250, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

INDIA.—Qualified Assistant wanted for old-established firm of Pharmaceutical Chemists; sound practical experience of Ophthalmic work essential; three years' agreement; passage paid out and home; salary commencing 450 rupees per month, with annual increments of 50 rupees. Apply P.C.B. 84/19, Office of this Paper.

SHANGHAI.—Assistant, British-born, Minor qualification; good Dispenser essential; knowledge of Photography advantageous; age about 26; generous and progressive salary; 4 years' agreement; this vacancy presents an unusually attractive prospect. Apply, in writing, with full particulars of previous experience, to G. D. Dakin Bros., Ltd., 82 Middlesex Street, E. 1.

APPRENTICESHIPS.

EGYPTIAN, 21, refined, well educated, seeks Apprenticeship to Pharmacist; fluent French, Italian, English, etc. Apply P.C.B. 84/8, Office of this Paper.

SITUATIONS WANTED.

[HOME.]

RETAIL.

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

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A.A.A. CHEMIST'S Manager; qualified; young, smart appearance, keen worker; Dispensing, Counter, and Photographic experience; reliable and trustworthy man. Apply 94/33, Office of this Paper.

A JUNIOR; unqualified; good all-round experience, including Photography; good references; London or Midlands preferred, not essential. Apply 97/3, Office of this Paper.

A YOUNG lady desires situation in Perfumery or Chemist's Assistant; unqualified. H. A., c/o Mrs. Hawks, 106 Albert Street, Camden Town, N.W. 1.

ADVERTISER, as Manager, Assistant, Locum; excellent experience and references; locum or permanency. "Chemist," 6 Eastbourne Terrace, London, W.

ADVERTISER seeks position as unqualified Assistant; good all-round knowledge Photography and Practical Inorganic Chemistry; theoretical knowledge Pharmacy and Materia Medica; salary secondary consideration; age 29; excellent education. "N.," The Priory, Upper Terrace, N.W. 3.

AS Locum; highest references; well recommended; booking forward. Brown, 74 West Hill, East Putney, London, S.W. 15.

AS Locum.—Pharmacist (36), with some years' experience as Manager, disengaged June 6th to 19th inclusive; country or seaside. B. Wathen, 5 Campdale Road, Tufnell Park, N. 7.

AS Manager or Assistant (45); unqualified; experienced; Dispensing, Retail, Optics, Photographic; London. "J. W.," 71 Antill Road, Bow, E. 3.

ASSISTANT; 33; married; ex-service; 12 years' experience with Chemist as Apprentice and Assistant; some Surgical knowledge; can drive motor. Apply M.L. 72718, Office of this Paper.

ASSISTANT; unqualified; 36; Dispensing, Counter, Photographic, middle-class Retail; also Optical experience; good Window-dresser and Salesman. Apply "N. N." (97/10), Office of this Paper.

ASSISTANT; 19; tall; disengaged; smart Dispenser, Counter; used to heavy brisk trade; Leeds district preferred. Apply 96/31, Office of this Paper.

ASSISTANT or Manager; unqualified; 34; abstainer; reliable; 15 years' good all-round Dispensing and Counter experience; Photography, Veterinary. Apply 95/40, Office of this Paper.

ASSISTANT or Manager; unqualified; middle-aged; first-class experience; any district; London preferred; moderate salary. Apply "E. D." (96/10), Office of this Paper.

ASSISTANT, energetic, 31, present studying, liberty July, requires post; excellent references; all branches; England. Slade, 194 Gallowgate, Glasgow.

ASSISTANT Dispenser; 27; married; 3 years' experience as Assistant. M.L. 75250, Office of this Paper.

ASSISTANT (unqualified) desires part-time situation; Counter and Dispensing; London district only. V. R., 30 Gore Road, Hackney, E. 9.

ASSISTANT (unqualified) or Manager; good Dispenser, Photography, Stockkeeper; 14 years with largest Store Chemists; good address, references. "B.," 21 Gladstone Road, Broadstairs.

ASSISTANT (23); deferred in one subject; good experience Counter, Dispensing; good references. Wright, 38 John Street, Rhyl.

ASSISTANT, unqualified; single; Dispensing, Counter, Window-dressing, knowledge Photographics and Surgical Appliances. Apply "Powder" (98/28), Office of this Paper.

BOURNEMOUTH or Neighbourhood.—Engagements by qualified Locum for July and August; good references; personal interview if required. "Locum," Barford, Cowper Road, Mourdown, Hants.

BRANCH Manager or Assistant (28), qualified; 10 years' West-End and provincial experience; disengaged; Locum or permanency "Chemicus," 19 Milton Road, Hanwell.

CHEMIST, disengaged, as Locum; free August 1st, three weeks; well experienced and references. "Yates" (98/300), Office of this Paper.

CLERICAL.—Evening work of any kind; writing up accounts and posting up books; terms moderate. Write "F. G." (89/14), Office of this Paper.

DISENGAGED.—Good all-round Assistant; permanency or locum; 39; married, no family; 5 ft. 9 in.; good appearance and address; unqualified; West-End and South Coast experience. Felix, 1 Upper St. James' Street, Brighton.

DISPENSER (qualified) desires position immediately; South Coast; Chemist preferred. Apply 98/19, Office of this Paper.

DOES any Chemist or Stores want reliable, experienced, unqualified man; Locum or season, or permanent; £3 10s. week. Apply 95/18, Office of this Paper.

DO you require a live Manager or Assistant; Prescribing; M.P.S.; 25; prize Window-dresser, Photography; keen Store experience; desires change; Leeds district. Apply 96/33, Office of this Paper.

ELDERLY Pharmaceutical Chemist would cover unqualified Chemist or Drug Store; take Dispensing Counter; London only. Munro, 47 Strand, W.C.

EVENING employment after 5.45, any capacity; Hammersmith district preferred; evenings. 41 Richford Street, Hammersmith, W. 6.

EXPERIENCED; part or whole time; Counter, Dispensing, Bookkeeping, Prescribing, Stock, Dental; five years' perfect reference and two years Medical Storekeeper, war work. "Locum," 122 Scott-Ellis Gardens, N.W. 8.

EX-SERVICE man desires position in Pharmacy; Dispenser or Representative; age 30; single; 6 years' experience as Chemist's Assistant; willing to go abroad. M.L. 1311/21, Office of this Paper.

JUNIOR; 22; tall; country business, Yorks or North; r able salary. Apply 97/8, Office of this Paper.

JUNIOR, smart, good appearance, capable, not afraid of seeks post in Dispensing business; five years' exper Please state hours and salary (outdoors), Willis, 35 St Easton, Portland.

LADY Dispenser (22) requires post with Doctor in B drive car; three years' experience. Apply "Stu Somerset House, Alfred Hill, Cotham, Bristol.

LADY Dispenser requires post; qualified, Hall; salary imm to gain experience; Doctor, Institution, or Chemist. 97/13, Office of this Paper.

LADY, qualified, 4½ years' experience, desires situation, pensing Counter; London, S.E., preferred. Billing Bartlett's Buildings, Holborn Circus.

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